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tgtctgccat cgccttggcc ttggctaaca atcggggaag ttcttgactc ccgttcaagg 240

taagagcaaa ccgatccatc cacatggttg cctcttggtg taaagagtcg atcacccttc 300

ctctagcctc tttttccgcg tatacttggg catattcgtc cgcaatccta tgctcgtggg 360

ccgcggctag acctaactct tcttggtact tggcgatgat agctagcatg ttggtctccg 420

tctc 424

<210> 36538
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36538

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gggccattaa atctatcatg tgttgacagt aattggttag cccgtgaatt tcctctcggg 120

ctgaacacac ttcggccatg gcccttgctt tggctagtag tcgcgggagg tcttgacttc 180

catttaaggt caaggcgaac ctatccatcc acatggtcgc ttcttgatgc aatgcatcaa 240

tcaccctccc tcttgcttcc ttctcggcgt atgcttgtgc gaagtcctct actagctttt 300

gctcatgggt canagactgg tttaaatctt ctttgtacta ccctattata gctagcatgc 360

tttgctccgt ggcttctcaa actcgggagc caatctg 397

<210> 36539
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36539

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ttaacctagg gaaataaaaa aacttaatgg ctgagtgtaa ctgaaattgt ggcaaccaaa 120

agtcaccccc aacagccaac aagtcagcca ccatttggtc tcccaaaagg ctgatgccta 180

tgttgccaat tgggccctta ttacaacttg aactaaacct aactaaagcc cttttagttg 240

attaacccaa aacatatttt tggtcagcca actttacaag gattgtgcca ttatttagac 300

aaactaaaca ctctaaaatt gaaacaaagt ggtgtcattt agtcctcctc catttgggcc 360

atgatacaac tcacaaccct tggacttttc 390

<210> 36540
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36540

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cttttactcg tatgtctgat tgagtcccgt ntatatcgag acgctcgaaa ttgaataccg 180

aagctctgac aaatcaaacg acaataactt ttactcgaat gtccgatgag tccgaatata 240

tcgaaatgct cgaaattgaa tgttgaactc tgagcatatt caacgacaat aacttttact 300

cggatgctga ttggtcccgt atgtatccaa cctcgaaatg atgtgaactc tgacacatca 360

aacgacacaa ttttactcga tgttgattga gtccgtaaat atcgaacgct caaatggaa 419

<210> 36541
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36541

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cccaaggctt acccatccat gcagaagcta aacaatactt aacacctttn acaaatgtaa 120

caaatgacaa tgcttaccac cacacatgca aaagctaaat catcaaaaaa gcctaaaagc 180

tcaaacataa gccaaacagc cnatatcatg aacatgaaag ataatcacca acagttgggt 240

gcagctttaa ataatcaaga ttcaacagta ccttaccttc aaatctcaaa gcattaatca 300

aacttgtagc aaactggcag gctaactgaa gacctgaact acaactcagc atnatcacat 360

ac 362

<210> 36542
<211> 382

<212> DNA
<213> Glycine max

<400> 36542

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gctgcataaa tcaaaagaca ccattgtttt ctatcttcaa ctaaaccctt tgctagtcca 120

tttagataaa atataaacat aaaaaaaaaa tccaggtttt catgtctact ctagtcatga 180

tgatcaggtt ttgggtaatg aaacacaaat aactctgaaa ttttttgaga gaactaaata 240

agaaaaatcc taacaataag gggaaaaaaa taattaagaa aatcaagaga tgtacacatt 300

acagatgtac aagaaagcag gatagtgaga cccctagatc aaccaaaaaa aggatattta 360

gatttccaaa tgtttttatt at 382

<210> 36543
<211> 206
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36543

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catgtgtcct ccaccttcga gttaggagct atgcgtagtg attggcttag gcaattctcc 180

attctcaacc tttttcggag cccatg 206

<210> 36544
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36544

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cttaagccaa gagtaccttt actcttatac ctctcaatag ctgacgaggt tgtcagctca 120

accctcgtac atgaggaagg gaaacaccag cttcccatat acttcaccag ccgtatcctt 180

catgatgtcg ggaagcggta tcagatgata gagaaggtaa tgttagcact cataaaaggg 240

ttgatgacac ccttgcgcaa atgcctaaac agccaagaag tagattatgt catgcgagag 300

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tgtgtcatct agta 374

<210> 36545
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36545

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gaaatcagaa aaaaattact attccctgat aagtaatcca agccaaacat ataagacttg 120

ttctgttaca agataaacct cttgccatta tacttctcac ccttttcttg gcaccctaat 180

taaacaagcc cctcatgtaa atggtgcaaa aatctctctt ctaaacgaag tattgctttg 240

aacctcacat gttagataag ggggaaattc cacttaattt tactacccac aagttccata 300

gccatctcca tgtaaacgtt ctcttttcta tggttgttgt agaggaaaga ctgttgatga 360

caatatatac attta 375

<210> 36546
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36546

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actcattacc cataactaat gacccagaag aaccagcttc tgttgttggt aagcagtatg 180

agacaactcc tccaaatgtg gcattagttt gagataccaa tgagaggtaa cttcttccca 240

accccataag gccagagact cctccaaata gacctttgtt gttcctaccg acaccaaata 300

caaaatcact cactgaaaca cctccaagac taagtgcttc aacacctagc tcaccattag 360

tgtaagatcc atcaccatag ttaaccacat agttacaagt tgatggatta ctacttccac 420

aggctcctg 429

<210> 36547
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36547

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aatacatttt atgcaatact aactagtata aaataacatt aatgtgtgcc accaagcact 120

tatagtgaac ttcaatgaaa acttttcatt tattaacttg taaccggtat tcttaaaaca 180

tttattgaca agagtgctgc taaattttct tatgataaaa aatgagagga ttaaactcaa 240

gtttcacttt ttctttctta tttatactat tagcatcaat ttgtagatgc aattggcttt 300

gatgatttga tgatgatcat gatgatgtgt tgcaattgat gcaaatgggc tnttcaagat 360

taaaattcaa gacaatactt caagattagc agtcacatca tcaagatgat cactagaata 420

tta 423

<210> 36548
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36548

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catgattgaa gcttgtgtta ttntcataca actctcanat ggattatgaa cctccattcc 180

tcgagaccta caagaccctt gttctaaacc accttgatga ttcaaagaat gagtactcct 240

ctttggtgga gagatcatgt gaactaccag tgatcgatct tggccagttc aatggcgaga 300

gagacatatg catgaaaaaa attgcaaaac tgctagtaaa tggggttttt tccaagtcgt 360

taatcatggg attcacagga gctgctgaaa agccttgatt tgaacaaaag aaattgttct 420

atcaaccttt tttgaat 437

<210> 36549
<211> 155
<212> DNA
<213> Glycine max

<400> 36549

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ataccacttt gagaattgat tctcacataa ggccattatc ttttttcagg tttcctctag 120

cgatcaacaa ttttcttcca taaatgatca aaaag 155

<210> 36550
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36550

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atgtatacat aattntgatg ataaagactc aaaataaggc tcatttgctt caagattaat 120

acaagattgt ttcaacaaac aaagccttga ttcaagattt cttcaagatc aagccttgtc 180

ttanaacana aggtttcaag tcatccaagg cacatgtaat cgattaccaa tacatgtaat 240

cgattaccaa tggtttgaaa gtgtgtaatc gattaccaga gactctaaac gttgggaatt 300

cagaatttaa atgaagagtc acaactgttc aagacatata actgtgtaat cgattacact 360

aatgc 365

<210> 36551
<211> 151
<212> DNA
<213> Glycine max

<400> 36551

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ctccacatca tatctctgcg tgcgtcatgc atcatcatga gaaagtgaga agaaaactat 120

acaagtcaga aaactatctt cagaaagaaa a 151

<210> 36552
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36552

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tgtaagataa aaattgctta ataggattgt aagtatagta taccactgca tgttggggca 120

tctcagcatc aacaggtgct gctacaggtg gatatggcat gtttgttgta tcatcaggca 180

acacaagtgg gtgaggcata actattgtag aatcgtgtgt gacaccctct accccgacat 240

acatataaat aaaaaaanat ataaaattgt ggaatttaat taaaccaatt ctattcaaat 300

cacgtaaaca aattcacgta ggtaacaggt tcacattcgg gttaatcacc anaccaaaaa 360

cttatcaatt aagggtatga aaacatctcc gacttanaac aaggccatcc aaaactccaa 420

agaatgacta aagactcacc atgtgaaaca atatgata 458

<210> 36553
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36553

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ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatctac ctgtgtcaac tttatcagag agaaatcata cacctttgaa gtattcaagg 180

agttgagcct aagacttcaa agagaataag actgtgtcat caagagaatc atgagtgacc 240

atggcacaga gtttgaagac tgcacgtnta ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgcagccatt acaccacaac agaatggcat agttgagacg acaaacatga 360

ctttgcaaga agttgctatg gtcatgcttc atgccaaaga acttccctat aatctctgtg 420

ctgaagccat g 431

<210> 36554
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36554

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ccttaaatta ttactttcac gaattntgat tatatttctg agaaaatttt cctagaaatg 120

ttattattaa aatattattt gaatattatt ctcataaaaa atgtttggta aatattttta 180

agtttatttt aatttaaaaa aaatattaaa tagataaata aatgagatag aataagagga 240

aagtggaaaa ttattttaaa taatttcatg tgaatataag atttccaccc ttatacatga 300

gaataagaaa agatggaaaa atatatgtac aatggatntg tgagaatgaa ttaaccaata 360

actttcttgt tatntcaatt ttatttaaat tatcttacat tctacaagat attttcaaaa 420

ataacatttc taatcaataa atttctaac 449

<210> 36555
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36555

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aaattataaa ctcataaagt ttttcaaaag gcgattaaca gtattgtgaa taaggattat 180

cgtagtaaaa acaattatat tttcttttct ttttctttgt aatttataaa aatactcata 240

ttaatccatt atctttttta ttattaatga ttctagggcc ttaaaatatg atttcgtaga 300

aagaagtttc tcttcctttt gcagtaatct acttcggtct gtaatttttgt atatctcact 360

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g 421

<210> 36556
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36556

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aatgggttac agatcttcta tacaatatca gttacgaaaa ttaggttgag gttatgacaa 120

tggttgcgcc tctatggttt agagatatct tgtgacatat gtaacattct attgttacca 180

ctagagttag attccttaga tttagcagag ggttctttgc tcctccggtt gtgctatagt 240

gttgatattg gactagcttc tgagttgcga ctgaggtttg agccattttt gtcaccattt 300

tttttattag agagaatgaa aatntaatag ctattctttc ttgtact 347

<210> 36557
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36557

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tctgatcatc atgctttgat aaatgccaaa aaaaactagg gcaaatgaag aacaccacct 120

ttagcacaaa cctaaatcaa ccacaaagtc tgtctaccgc acttccaatg acgaacacca 180

cctttagcac aaaccaaaaa caccaaccaa gaaatgaatt ttgcagtgag aaagcctgta 240

gaattcaccc caattccagt gtcctatgct gacttgctcc tatatctact tgataattca 300

atggtagcca taaccctagc caaggttcat taacctccat ttttccgaga atacgactcg 360

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ctgaagca 428

<210> 36558
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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tgcacccata tacaatcaag gcagcttcgt tacctagatt atttacacgt acttccaagg 120

tgtatttgtt acttacatca cacacatctc cttggctaaa ttcacataca tgcacactca 180

aagcattttg gggtaccaaa aattgcacat gtgcacatct tggtatttct aatacctata 240

catacacaaa cttcatgatg aatcttgact atcttcacaa aaaggtggct acacttcatc 300

ccttttttcaa gtttttgcta cctanagccg catgcaaatt caagcatant ttcctttgct 360

gactaaaatt gtattcaaat taaaaggtat atanttnttt tggaatatgt nttcttcaca 420

taacatgcca catatntata tata 444

<210> 36559
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36559

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aagattccta aagaagctag agcttagcta cacatacctc tctaatagct aagctcacct 180

ccttgagatg agaagctaga acttagctac acacccccta taatagctaa gctcaccccc 240

atgacaaaaa aacatgaaaa tacaaaaaag attccttact acaaagacta ctcaaaatgc 300

cctgaaatac aaggctaaaa ccctatacta caagaatgga caaaatacaa ggcccaaacg 360

aaggaaanac ctattctaat atttacaaag 390

<210> 36560
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36560

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ggcgccatcc actanggaat aagccatgga agaatgagct tcaccaccaa gtgagcctta 180

gataagaagc ttggaaggat gcttcaatgg aggaaaagaa agagggagag aaagagagag 240

gggggggagca cgacattgaa ggaataaaag agggagagaa gtggaacttt gaagtatgtc 300

tcacaagact ctcattcatc anagttacaa caagtgttac acatgcttct atttatagac 360

taagtagctt ccttgataag ctntcttgag aanacttcct tgagaagctt ctttgaaaaa 420

acttcttgag agctagactt agctaccaca ccctctctaa cta 463

<210> 36561
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36561

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ctcttttctt ttntcattat tttcatatta gtcaatcccc ccccccccc tcattcccct 180

gaataattaa ccctaacatt atgttcatgt attctgatca aagtgttcaa ttttctttct 240

tcagctatnt gttcagacac cctagagcag tgatctggaa tagttagaag ctataaatgc 300

ataaatcttt gagatctaga agttcattgt cattttgaac ctttctgtga tgtctaattc 360

ctttcttttt tctctctcca tgaaatggaa catgaactgg at 402

<210> 36562
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36562

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tggcacaagt taaataaaat caaagtcacc tcattcttca caatcaaagt atttctctca 180

aacacacaag tgtatctagg tgagtgtatc tctcaaaccc tcacaaataa actttgcttt 240

tcatttattt tgaaatcata aaactaccct catatgcaaa gatcaccaag gactttattg 300

ggttgtaagt tgtaacttgg ctggactaca aggagatttg gttctctacg acagcatatt 360

cgcactatat gagaataaga gagcatatgt caacaattga gcaattcatt cattattttc 420

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<210> 36563
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36563

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gttgaacttt gatgcgcatc tcacaagttt cacattcatc aaagttacaa caagtgttac 180

acatgcttct atttatagcc taggtagctt ccttcataaa cttccttgag aagcttcctt 240

cagaagctag agcttatcta cacacatcct tctaatagct aagctcactt ccttcatatg 300

agaagctaga gcttagctac acatacaccc tataatagct aagctcaccc tcatgctaaa 360

atacatgaga atataaaaaa gtccctacta caaagactat tcanaatacc ctagaatac 419

<210> 36564
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36564

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acgagacatc ttgccaaaca aagtcaggtt agcgataact cgcatgtgct ttttcttcca 120

tgctatatgt agcaaagtca ttgatccagt caagtttgat gagttggaaa ataaggcccc 180

aattatactg taccagttgg agatgtattt tccctgcttt ctttgacatc atgattcact 240

tgattgcgca tctggtcaga gaaatcaaat gatgtggtcc tgtttatcta cggtggatgt 300

acccggttga gtgatacatg aagatcttaa cagggtatac aaagaatcta tatcgtccag 360

tcgcatctat tgttgagagg tacattgcaa aggaaagcca ttgattttgt tc 412

<210> 36565
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36565

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atccactang gaataagcct tggaagaagg agcttcacca ccaagatgag ccttggataa 180

gaagcttgga gaggatgctt caatggagga taagaaagag agaggggggа gcacgatatt 240

gaaggaagaa aaagggagag aagttgaact ttgagttgtg tctcataaga ctctcattca 300

tcanagttac aacaagtgtt acacatgctt ctatttatag actangtagc ttncttgaga 360

agcttctttg agaaacttcc ttgagaagct agagcttagc tacacac 407

<210> 36566
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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cctttgtttg taggaggtca aggcattact agacgaanag gtatccagtg gacgataaat 180

tcttcttaag gattttcaag acttagaaga aaggttgaaa tccttaacca tgactcttga 240

aaattcagaa gtagaacaca aggaacccca cagacaaatc tagtcatggt ttcaaaggca 300

aaaaggttgt gcatggtgaa gaagttacta tttgttattt ctatggaaag gtgggtcatg 360

agactcataa atg 373

<210> 36567
<211> 86
<212> DNA
<213> Glycine max

<400> 36567

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agctctatat gctgctatgc ccttca 86

<210> 36568
<211> 700
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36568

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atgtttctga atttcgctct ctatnagtgg gagtnncgta tntacanatn tctacgtggg 180

cnnctgtcgt nntttacana ccgtnncgtg aactgggnng aaaacctctn ggcngnntta 240

cctcaacctt annatcgcnn cttggcagcn anncatcccc nnnctttcgc ncaagctggg 300

cngnntaata gcaganagaa gagcncncgc nacncnngat ctgcccnntt cccanacnna 360

gttggcgcca gcnccctgaa tgagcagaaa tgagcngcnc taggatgccc ggtatntatt 420

cttcctttac cgcccatctg tagcnngagt atttcaccac ncgcatttat ggtggcacnt 480

anctcagnnn acaatctggc ttctggatgc nncgcatnna gttaaagcnc angcnccncn 540

gaaacaccnn cgccannnac actccgcttt gacngccgat acnctnctnt gcgggncngc 600

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agctcacgac cttcattagt tcattcacag aacaaacccg 700

<210> 36569
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36569

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tgttgctgcc atgcatcagt gtagagtctt ccaaaaaatc cctgagatca ccattcgttg 120

tacacacaat caacataaga cgataatgtc atactgacta tgtctatccg cttcatcacc 180

tagaatgaat atttttaaa taattaaata tataaattat taaaaattgt aataactaaa 240

tatttataat atttgaatta tatctaaaat ctataataaa taatttatgt tgtgatgcat 300

tattactttt aattattgat aatttctttt aaaagatatt caaattcaag ttgacactac 360

aaatattata aattatagat ggaaagagat aacagttacg tctaatcaat atatatatat 420

atatatatat atatata 437

<210> 36570
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36570

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ttaatatcgc agatgggcgt acatatctaa agatcagtgg gagtaaggtt atttttctaa 120

ttctgtaagt cggtgatatc ttgtntacaa ctaatgatct tggtcttctt catgaggcaa 180

taagtatttc tctagacact gtgaaatgaa agatatgggt gagacaagct atgtgataag 240

gatagaaata ttctgaaata aatcataagg attgttaagc ttgtcttaga gaacatatat 300

caataaagta ctagagagat ttaggatgga agagtgctca tcatcacccg tt 352

<210> 36571
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36571

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gctgggggca agtaaatntt cttcccatca gaccttggat gcaattgtga tcgtatcccc 180

atctcagcta gatcttgacg ggtattcaac ccatccttcg tcttgccttg aatgttaagg 240

agcatcccaa tcacactgtc acatacattt ttctccacat gcataacatc aatacaatgt 300

ctaacgtcta gatcagacca gtacggaaga tcatagaana tggacctctt cttccatatg 360

caagtcttac tgttatccct tctttgggtc tttccaaata tagtattcag gtgctgaacc 420

cgtattatac ctgc 434

<210> 36572
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36572

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acctgtatat ctacttaatg atgttttatg tgttctctgt gctatcagta tgtcattnta 120

gtgtgttntt gccttgatca catagatgca tngcttgtta ggatcattca acagtggaaa 180

ctggtttgat tcttagaact tgataggaaa tggctagttt atcgtattat catgagggat 240

cagggtacgg taacctagtt gtttgtatgt ttgtcttatt gtgattctgg tcgagtntag 300

tccaacaata ggaatctaaa gatgatgctn gatcgggatt aggctagact atcat 355

<210> 36573
<211> 517
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36573

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gggttgctcc gctgatagtg atctaaacca tggtacatag ttactcctcc accgactacc 180

tgattggcca taacttgcgc caagttgttc aaagcctcgg taatgagtca tactcgctca 240

tttctcccac gcattacttc ctatgtcacg caagcaacaa aactttgaaa agagaaaaag 300

aaacaatata tatatatata tatatatata tatatatata tatatatata tatatatata 360

tatacgcaca caataagagc tcactcctat ttatacaaaa aagcacatcg cgtaatagtt 420

cacaaagaaa cacagaacac tgctacacac attgcaataa gttctacttg tcagaaccac 480

taaattacca ccgtctaccc gaccaaaaac aaacaan 517

<210> 36574
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36574

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atggacactc atccctgacc caactataat tcgtgcgaaa ggtcggccan atcaacaagg 120

ataaggaatg agatggattg ngtcgaacca tctcagcacc gacaaaaatg tagtagatgt 180

ggagccgata ggcataacaa gcgtcgctgt ccaatgcaat ctaagcatgg gagttgttta 240

aatcattgat ttatgtatgt tagtgaagtg acttgtattt gtttaagttc tcttaaatgt 300

attaaatctg tcgggttgaa tgaatttgct agataataac attacttatt ttggtttgtg 360

tacattactc attttggttt gtatacatta ctta 394

<210> 36575

<211> 243
<212> DNA
<213> Glycine max

<400> 36575

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agaccactcc gaaattgcac acagtggtca atgtctaaac atatcattgt tacagaagtg 120

aattctgtaa atcatttcat atcactttta tttacctaag ttattgcttt caattcataa 180

atatgtaact tcgacttaat ataatcaggc atctaactga aacaagtatg cgagctggga 240

att 243

<210> 36576
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36576

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ggaaccttca cctgacgaag acactgacaa aaacttatct tctccttctt ggacaaagta 120

tggcaggctg ggggcaagta aattttcttc ccatcagacc ttggatgcaa ctgtgctctt 180

atacccatat cagctagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg 240

ttaaggagcg tcccaataac actgtcacaa acattnttct ccacatgcat aacatcaata 300

caatgtctaa cgtcaagatc acaccagtac ggaagatcan agaaaatgga cctcttcttt 360

catatgcaac tctgactttt atactttctt tgggtcttcc aaatacagtg ttcatgtgtt 420

gaacccgtga tatacctgct cacc 444

<210> 36577
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36577

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caaaatccaa taactctgcc actggattat gtgcttcttt tggacaattt gtggaccaaa 120

caaccgtgtt gttgtgtgtc atgaccaaat tgccagaact gtacagtctc aagatggcag 180

aggaatcatt tattgggttg ccaccgtttg caacccatac aacatgttgt gacngattat 240

tcttgaacca aatccccagg taacttttgt ttggaagtcc aagattgaag aaaccaagct 300

caaagattcc ccttgtggaa accatggtct ttccaaaact tgaggattgg gactgtgata 360

tggatgatgt gttgtct 377

<210> 36578
<211> 398
<212> DNA
<213> Glycine max

<400> 36578

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gttatattat gtaccaccgg attcgtattc cttatgggtg atagtgtttt tacatggagt 120

tctaagaagc aaggcattgt gacactttct acttgtgaag ccgagtatgt agctgcaact 180

tcttgcacat gtcatgccat ttggctaaca agattgttgg aggaacttca cttgttgcat 240

aacgaaagca cacagatcta tgtagataat agatctgcac aagagcttgc caagaatccg 300

gtgttccatg cacgatgtat gcatatagat acaaggtatc atttcattag agagtgcatt 360

accgataaag aactataatt gactcatgtg acaactca 398

<210> 36579
<211> 377
<212> DNA
<213> Glycine max

<400> 36579

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gtggatggcg ccgcctctta cctcttctcc tttgtcttcc gctgcatctc catggtggaa 120

aatcaccatt aaaggacctc attgaagctc aaagatccag cctccataga agctccacaa 180

gcaagtttcc atcaagtggt aatcagagca caagagcttc aataggtgct ccttaaacct 240

ccattaattt tttgctttac cttctcttcc attgttgttt cttcattttc ctccatgtat 300

ctcctcacat gtcttgtgct aaatttttta acatgattct ttagagtcta caccgattaa 360

acttgctata gaagcta 377

<210> 36580
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36580

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cccgacgaag acactgacaa aaacttatct tctccttttt ggacaaagta tggcaggctg 120

ggggcaagta aattttcttc ccatcagacc ttggatgcaa ttgtgatcgt gtgcccatat 180

cagctagatc ttgacgggta ttcaagccgt ccttcgtctt gccttaaatg ttaaggagcg 240

ttccaatcac actgtcacaa acattnttct ccacatgcat aacatcaata caatgtctaa 300

cgtcaagatc agaccagtac ggaagatcaa agaaaatgaa cctcttcttc catatgcaac 360

tcttactttt atccttcttt tgaggtcttc caaatacagt attcaagtgt aaacccgctc 420

ata 423

<210> 36581
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36581

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tctggctgaa tggaactggt aaactctgtt ggcatggctg taagagacct aacactgttg 120

gatatacttg aagtatcagc agcagcacca caataattgc caacaacagc atctaaaaga 180

tattccagat caacatctct gggacactcc aaacctttaa tatgagcatg ctctcttntg 240

ttgatacaag agttgattac tgtatgtttc ctcaacagag atacatattg acatatattt 300

gcctgtctct ccatatgaaa ctgatccaag tgct 334

<210> 36582
<211> 194
<212> DNA
<213> Glycine max

<400> 36582

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aatgttgata tgggggttg tatgaactgt tgtgcttctt catagtttgc ctctgagaat 120

gttggaaagt gaatctataa gtgtttaagt agataaaaaa acaacacata aattaaagaa 180

aaacataatg tata 194

<210> 36583
<211> 434
<212> DNA
<213> Glycine max

<400> 36583

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cacttctctc tctttcgaat ttgcttaaga aaattgtttc cgtgaagaaa atccaagccg 120

aggcgcttcc gtaacgtttc cgtaacgttt ccgtgagtga tttcgcgaag gttttcgacc 180

gttcttcgac gttcttcatc gttcttcagt cttcaacggg taagtacctc aaaccaagcc 240

tttcaattca ttctatgtac ccgtggtggt ccacatttgg tttcatgtat ttttattctc 300

gttttcattt acttttttata ccccctttttg acgtgcttaa gccatttatt taagtcattt 360

ctcgcttaac cttaaaataa aataaatttc caccgatcgt ttgaattgac catccgttac 420

tttggttgaa atga 434

<210> 36584
<211> 123
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36584

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gggggttggg gggggggggg ggggtggggg ggtgggggggg gggggggggg ggatgtgggg 120

ggg 123

<210> 36585
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 36585

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gactgcaaaa gttatttgca tagcaggatt cttttggcaa agggcgtccc tcctcaaaga 120

gtttttgatt tgcaagccaa gcttgcaaag ctntggcatc ctttgggacg ttggcatatg 180

atcccaattg gaaaaggcta tttcaattct tctttctcct tagttcaaga tttacgtaag 240

gtattggtgg tagggatttg gaacctaaac cctagcactc tgaggctttt caactgaacc 300

ccanactnta accctaattt ggtgaaacaa accaataccc agagttgtat tcgaattcta 360

gggttagcac anaagtatgg agacaagcca tcctattctc catcgcaata ggtgttggga 420

tcccctctgc acagatgatg cantgaatag tcg 453

<210> 36586
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36586

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aggaactctg gcacaagaga cttggtcatt gccatcttga aagaatgcta aacatgaaaa 120

aaaggaaata tgcaaaagaa aatttgaaga agtttcaaat ggaggaatac aaatctgtta 180

gcacaccaat gaatcaaaat gacaagttta gcaaggaaga aggtgttgat aacattgatg 240

aaggatatta taggagcttg attggatgtc taatgtatct cactacaaca aggccaaaca 300

ttctatttgc tcaaaagaac aaaactggaa ttnttgttga caatcaagta gccattgcta 360

ttgcaaacaa ttccatgtgt catgggaaga ctaaacattt caacatcaag ttctatta 418

<210> 36587
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36587

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ggtttgaaaa gtgaaattta gaatgaggta aatttgaagc aaactctcac ctcacacaag 120

tccataacat caatctaaac ttgctcaaac tgaatttaca cctaaaattc caccgaatca 180

aaatttgact cctcaacacc caaatttgcc ctagaaatag ctctttgttc attttgatca 240

tttgttcttc tctctagcac agtccaagct ttctcccaag tcctaaatga catttcaagc 300

tagtattaac tcactntaac ctccatttac cacagaattc agacttagcc ttccaactct 360

canagcctca ctctttttc cactcacaac accacattct cactttctaa ccctaagtta 420

actctaccct tcatctctaa cagtttccat 450

<210> 36588
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36588

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gcataatgta aacctttacg gttttaaagc tctatagttg ggcctaggct ttatagtttn 120

tccctttgtt aaggctgtgt gtcttctgtt tttgaattta taatacaagg atctttcttc 180

atctgttcct ggtctctacc cattctcatt catttgcatg tttacttctt tttctgaaac 240

ggcagatccg atgacgagtc ctccgaaagt actaatacct gtgacccgcc tatcgacttc 300

aagcacgaaa tgaatcacac ggaag 325

<210> 36589
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36589

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aagccaacga agaaagagct tcaccaccaa gaatngcctt ggataagaag ctngaagagg 180

atgctctaat ggaggacaag aaagagagaa ggtgggagca cgatattgaa ggagtaacaa 240

agggagagaa gtggaacttt gaagtgtatc tcataaaact ttcattcatc aaagttacaa 300

caagtgttat acatgcttct atgtatagac taagtagctt ccttgagaac tctcttaaga 360

aaacttcttg aaaagctctt gagacacttc ttgagaacta gacttactac cacccccctct 420

atactaactc cc 432

<210> 36590
<211> 264
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36590

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gnacctgact gctgatatat cgagctgtca aagcctgcac gactacccga cttactgagc 120

tgaccttgct gtattacaac tggctcacac ttactatctt tggcctcaat ttttattaat 180

acatctcacc ttttatctac acatgtattc ttatgctact ttctgactaa tctctatacc 240

ctgttatatt tcattcttaa ttcg 264

<210> 36591
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36591

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tggtttttttc aatctacagc aacagcattg tattttcagc ttaatcattt ccacagaacc 120

aaacttgtta tctcaatagg aatagttcac aattaataca aagatggaaa acatttgaat 180

tacaatggaa ggaacaagtt aactaanact aaaatatcac tatcatattn tagtatttcc 240

caacaccacc tgcatttctc cacgtctaaa gtgaactaca attactaagt tgaaagttgc 300

agttacatgc aaattatcca ccagaaagaa ggtaactgga tctagaatgc acgacactgt 360

tgtaaagctt tcaagctgta ctgtgttagc ctgctgaagc agtttatctg tgt 413

<210> 36592
<211> 226
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36592

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caacgaccat caacattcaa tttcgagcgt gtcgatatat tacgcgactc aatcagacat 120

cagagtaaaa agttattgtc gtttgaattt gcaacgacca tcaacattca atttcgagcg 180

tctcgatata tgtcgcgact caatcagaca tccgagttaa aagtta 226

<210> 36593
<211> 221
<212> DNA
<213> Glycine max

<400> 36593

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ggccttattc ggccaggaaa gatgaccgat cgaggtctaa aaaagaagca tgaccggatt 120

acgccgatcg aacgtttcct aatagatatc ctccaagtat tattcaggga tcgaatggaa 180

aaaacaatag ccgacatcgg tagttaaata gccgtgactg a 221

<210> 36594
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36594

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aagctacaaa atctttctag ggctttactc anagatntat ctgggaactg gtgaaaggaa 180

gagatgacag cctttccctc tgcagtcttg gactctgaga natatttctt cagaaacttt 240

tccacaactt catcccaagt cctcaagcta ttacctttga atgaatgtag ccacctcttg 300

gcttctccag atagtgaaaa tgaaaataag ttgatcctaa caacatcttc tggca 355

<210> 36595
<211> 313
<212> DNA
<213> Glycine max

<400> 36595

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tgacaaaaca tgaaatacaa aaaagcctac tacaagacta ctaaatgccg aaaacaagct 120

aaaccctata ctactaaatg gcaatacaag ccaacgaaga aaactatcta aattacaaag 180

atagtggtca attacccagg actcaaatta ctaagctaga aacctaggct tcctgattta 240

cccattattg agtttaccat gcctgcggaa gatgctccaa tttaactaca tcatacatct 300

gatcatatat tat 313

<210> 36596
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36596

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tttgaacatt gttcaacatc aatttcactt attgattcat ataagctcct aagtacactt 180

ttcgttgtga ttccttgacc catgtntgaa tgtaatgttg acattcttgg catctatcct 240

ttgtgttgtg tatagactga ggttcaagga aaccatacag tgatccataa cctaatcttg 300

tgttccaatc attcataana ctatttcana catttgacat aaattctgtt aatggtatat 360

tgtaacgaac attaattatc agttaataaa tttagcacta ctaaccaaat tac 413

<210> 36597
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36597

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agcgagttca tcttttgtgg atgaacattc atctccctga tgagttgact gtggctaagc 180

ggggctgatt cactaaggcc aggtaactta gtcaaatttt tgttgaacgc tgcgcgctaa 240

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gcttgctaag cccacatact tagtgaaatt tctaanattt at 342

<210> 36598
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36598

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gatgtggaaa gcttgttgtg caccatcgcc cgaccgccac ctagtacgac atgtgatggg 180

taccccataa tcctacaagc ttgagatgag gaagtgttga agggtgaaac ttcctgcttt 240

tattgttgac cacagagtgg tacctggaga tatgtcgcgg gggtcaggag accttgtgga 300

cgtcatgtgg ggtgctattg cccaatacca agcttgacct atcccgaccc aacccgggca 360

tagtcagtca gtgagaacat gtgacgtacc taatc 395

<210> 36599
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36599

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aatttgttcc ggccatactc ttccttgcga gccctcttgg tctcttgttc aagggctctt 180

gcggtaattg cattctcttc ccgtaacccg gcacactcct tccgaacgtg tgtagcggcc 240

aacttgaact tctccttggc aagttttgcc tttcctaact cgcttttgag agcttggact 300

tcttcgtcct cttccggtgc ttcaaaactc tctttgctga cgacttttaa cttggcgagc 360

caatctaaac ctcgtatatg aac 383

<210> 36600
<211> 353
<212> DNA
<213> Glycine max

<400> 36600

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tgttgaattg atatcatgcc tatttcctat aggaattctg cagccattga agcttcacta 120

tcgaataggt ttctcctcca attgaaattc cattcccacc cttcctcctt gtggcttccc 180

atgagtctga tagtctgttg ttgttgggta gaaacttgat acagcgtagg aaatttgtac 240

attaaagttc tgtccccccc tatccatttg tcatcccaaa atctggtcat gtctccacaa 300

tgcacctttc actctatatg atcctttatt tttattcact cctctatctg att 353

<210> 36601
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36601

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attgcgtaca acaaatatgc aatttgatcc aacgtgtata ccatcttgga tggtaaaagt 120

aggtaccttc tggaggttgg acaagcttcc ggttatgagg agcggccatt tccttcttca 180

actgtgtcag tatgtcctcc atggtgtact ctctttgcca atttgcaaga agaccaaatt 240

tctttggttc aacctatttc attcaagtct ataaatcttg tcacaaagat aattagttat 300

taagccaata aaatagacta attgtctca taatcataca catgagaagt g 351

<210> 36602
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36602

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tttgcgtgac cattattaag tcaaactcaa aatataatac tatggcttca agtttaatcc 120

aaactatttt tctaaatcaa gagtaaataa ctatgattga gttaaatgta tatgcactga 180

gcaacaaacc cattggccat cacctcttaa acacgaatta ttctttgttt tgataacaaa 240

ccaacctctc ccaatgtctt ctgtactcat tattccaacc atgtatttaa gacaaaaacc 300

aacaggcaaa aatatattaa attgaataaa aattaaaaag agaagtccaa aagcttttta 360

ccctgtccaa cattgcaa 378

<210> 36603
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36603

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ctgttatggg aatgttgcga caatccttca naaccttatt gatacattct gagaggttgg 120

ttgtcatgtg gccatatcga catccttctc tatcataagc catcgtccat gtttcctttg 180

aaattcgatc aatcatgtgg ctatggctgg actcagttca cgaaattttt ctaaatcttg 240

atcanaaatg tgctcgcaag gagtgtacac tgcataaaaa tagttatgaa taacaanttt 300

atgtatatat gaaacttaga taaacgtcac catcaaat 338

<210> 36604
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36604

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ggaggagctg aaggcatcgc acaccgggac gaagacatgg acnatagctc tggcataagc 120

atatatatat aactcacgct atgtggccag tacctaccaa cggatactat atatgcagct 180

gcagttggat aatgaaccgc acttacttac tttatctgaa gatctcattg gcattagggg 240

acaatgccgt gtgactgatt gcctaccctt gccggtgcat tgtgctgaga tatcaccatc 300

tatatccatg attcattcat cagtgctata tgagctgtat aacgagccac tattgacata 360

aaattgaggt agcgtcgaac gagaggtata gtactccctt tatcn 405

<210> 36605
<211> 240
<212> DNA
<213> Glycine max

<400> 36605

actaggatat atagtgacta ctcacaccaa tggatgtgcc atgatgacgc ccatctaatc 60

tatctaaata agcacctgac acaacctaac acccagacat ccagcccaat tattcaagtg 120

cagatgttct gactaccaca cacaatcaga ccctcagaat gggagacttg gccaaatctt 180

atttgtgaaa atatcgaacc tcttgctatc agagattgag ggactactca cacgctccat 240

<210> 36606
<211> 281
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36606

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ttgtaggtga aataattgga acaatggaat tgctaggcct aatccttatc ttcttagttt 120

aagtgtgaca ccctctacct caatatacat atgtatataa tatggtaagc acataacaca 180

ctggtcgaaa ggttcgactt gttatgatac cactaaatgt gacaccctct accccgatat 240

acgtattcat ataatataat acgtgagaat atggaattac a 281

<210> 36607
<211> 272
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36607

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gtgaaacact ggctaatacg gccgggccat accctatcca cccgaaatct tgacgacacg 120

ttcctcctcc ccggcatccc gggttcatac cctaatccat acttgtatgg atttcccttg 180

atatcgacca tgtcggcatt cccgaggcag tccttgccta gacccattcc gggctcanat 240

ccgttcctga gcataacacg cgccaccatt at 272

<210> 36608
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36608

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gnnnttttttn tttnnnttnn nnnnnnnggg nnnnnnnggg gggnnnnnann nnnnngncnn 120

nnnnnnnnnn nnnnnnnnnn nnggnnggnn nngnnnnnnn nnnngnnnng gggnggggng 180

gnnggnnggg gggggggggg gggnggnggn gggnnnnggg ngnggggggg gggggggggg 240

gggggggggg gggggggggg nggggggggg gggngggggg gggggggggg ggggnnnggg 300

ggnggnnggg gggggggggg nggggggggg gggggggggn gggggggggg nggggngngg 360

gggggggggg gggggggggg ggnggggggg gg 392

<210> 36609
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36609

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gctttcggca tggttgatgt ttgagaggag ggaggatgag cttgagggtg tgtcttctat 120

ggattgtggt ggttgtgttc ttgaatgtcc gaaggtgaat ttggtgaagg gctctagtcc 180

ttgttcaatc aatgataggt gccagtgtcc acaagggact aaagaggaaa ctagcaatga 240

agaaagtgtg tttttgtgtt tgccagatga ggaacaaaag gatgtttctt tctgcattgc 300

gagtgaggaa attgattgtg ttaagtggag aattgctgcc ctttctgacc cttttaaggc 360

aatgctttat ggtggctntg ctgactccaa gatgaggaag attgatntca gcanaaatgg 420

tataagctca cagggtatga cggcagtgga gttgt 455

<210> 36610
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36610

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catctccatt acaagccttt cttcttcctg aacacacatg gtcattaatt cattgataga 120

ccatttatct ntatgtgtgt tgtaggaaat cttaaatggc ccatattcat gcggaagggt 180

gttcaaaatg aaatgcacta ngaaggactc agacatatca acctctagtt tcttaagttg 240

agctgaaata tctcgcattt tcatgatgta ctcacgcaca cctttcacac tggtgagccg 300

aagagaagaa aacttcatga tcaaggtgct tgctaaagtc ttatctgaag tgatgaactg 360

gtcatcaatg gccttaagca agtctcggac cttttcatgc tggtca 406

<210> 36611
<211> 590
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36611

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ngnncatnnn ccccnncncn ngntgatgcc nnatngnagc ccgacnctgn anngcattgc 120

anaggctttg attgttttat ggtnctttca cccgtatgaa nanggatncg gagggggggg 180

tcttnaaaaa agagggaaga attaantcat tcctgctttg gacgaattga naaaacttgg 240

ggccacattg aaagatgggt gaaggattga agggaaaacc ccgtgctgtg acttgcattc 300

ctatacgacc aagtttccac caacccacaa tgtcattact cagccaataa cgacccttct 360

cattacctac cacccagaca tccacaaagg ccatccctaa aatcaaccac aaagcctacc 420

taccgcactt ncaatgacaa acaccacctt tagcataaac caaaacacca accaagaaat 480

gaatnttgca gtgaanaagc ctatagaatt caccccaatt ccagtgtcct atgctaanct 540

tgctccatat ctacttgata attcaatggt agccataacc ccagccacgg 590

<210> 36612
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36612

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cacagatgat tatgctacca caganaaaga aatgttggca attgtctatg cacttgaaaa 120

gtttaaatct tatttggtag gctcaagagt tatcatctac actgatcatg cagctattaa 180

atacttgctc aacaaggcta attccaaacc aagattgata agatggatnn ttttgttgca 240

agaatttgat ttggtgattc gcgataaaaa gggatcagag aatgttgtag ctgatcatct 300

gtcaagatta gtgaatgagg aagttacagc anaagaagtt gaagtgagag atcaattccc 360

tgatgaatca cntattttaa taagtgaaag accctggt 398

<210> 36613
<211> 691
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36613

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ctnngcgnag nancnagcga nnnnnnnana nnnngncnag nangcatgtc nancannnna 120

ngttttataa ttctncncca tcacaangaa acnacnaagg ggggttgata agagacgaan 180

agnggcacac acaacacacn cccaacanaa cacnaaaaca cannnncaaa cccacacacc 240

acacggaagc acaaacaaan gacacgagcc acacgacacg acgacaacga aagcacaacc 300

agaccgcnga agccagaaag acaacacaaa gnggcnccaa nacaaagcac aagcacaaag 360

cagcccaccc agacanngca acacnaaaac ncacaaacga ngccanagac gcacacanca 420

aaaacgcaac cgagaacngc agcgccacaa cacagngagc aggagngcga ggacaaacaa 480

cacacgcacc cgacaaaccc canagaaaga gaacatcacc aagcgcacac cagcaacaca 540

gaacagcgac agccgacaaa acaacgacgc cacacgacgc acaancggac acccaaaacg 600

gatacgaccc gacaacaanc acacacgcga agcgcacaaa caacaggacn agcgccaacn 660

gaagaacaaa anangagccg cnananacac c 691

<210> 36614
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36614

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gactgggaca tatcgagtga gaagnnatat tatgttttaa cattatcgag agcttccatt 120

gctaaccgtg tatcgggctc tattattatg accctggaac gaaccattat gtcttatatt 180

atcatcatat gattaaacaa agatcaatca tggtacatga ctaagcggct ctatatgata 240

tgcactatac acggacctcg gtgcgagaag ggatgacatt ttgcattgaa tatcagcaca 300

atgagtacaa atgtatgcgt gcgacatatt agtccgcact ttggacttcc gtggaagcca 360

gtggggagaa taatatggat tagatctaga actgacatat gtcaagcagc tagtttatgt 420

gaacataaac tgccatccag ggggagatat ggacataaat gatgatcact agaaagatat 480

tgaagtgctc tgattaag 498

<210> 36615
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36615

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ggggtagtgc caatttagaa aatccctcat tgaatttgct ataatagcca gccaacccca 120

agaaactttg aacttctgtt ggagttgtcg gttgttgcca ctccttaacc gactccactt 180

taattggatc cacagcaacc ccatctttag aaatcacgtg ccctaagaac tgcactttct 240

ctaaccaaaa ttcacatttc gacaatttgg cgaacaattt cctatccctc angatatgca 300

acacatttct caagtgcttg tcatgctcct ncttattcct tgaatacact atgatatcat 360

caatgaacac 370

<210> 36616
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36616

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ttccaaagtg tcatggcctt gcangtgaag acccgcacaa acatctaana gaattccata 120

ttgtctgctc caccatgana ccaccagatg tccaggagga tcacatattt ctgaaggcct 180

ttccttattc tttagaggga gtggcaaaag actggctata ttaccttgct ccaaggtcca 240

tcacgagctt ggatgacctc aagagagtat tattagaaaa aattttccct acttccagga 300

ccacagccat cagaaaggat atttcatgca ttatgcaact aagtggagag agcctatatg 360

aatactgnga gaatatttaa aaactatg 388

<210> 36617
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36617

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gncacgaaat tgaagggata naagaggtat agaagtggaa ctttgaagta tgtctcacaa 120

gactctcttt catcanagtt acaacaagtg ttacacatgc ttctatttat agactaggta 180

gcttccttga gaagctntct tgagaaagct tctttgagaa aacttccttg agaagctaga 240

gcttagctac acacacccct ctcataacta agctcacctc cttgagaagc ttccttaaga 300

agattcctaa agaagctaga gcttagctac acatacctct ctaatagc 348

<210> 36618
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36618

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gtggactcgt aagaatgaga agttcttctg gaatgagaag tgtgatcaaa gtttccaaga 120

gttgaagagg cggttgacga cagctccagt gttaattttg cccgacccta agagaacatt 180

cgaagtgtat tgcgatgcaa gcgggcaagg cttggggtgt gtgttgatgc aagagggaag 240

agtagtggct tatgcttcgc gtcaattacg tcctcatgaa tntaactatc cgactcatga 300

cttggaacta gcagcggtgg tctttgcctt aaagatttgg aggcattatt tgtacggtac 360

ttcgtttgaa gtttcagtga tcacaagagt ctc 393

<210> 36619
<211> 269

<212> DNA
<213> Glycine max

<400> 36619

aaagcaagat gactgattcg ctgaaccact gcaaaccaag agtggcttgt ttttttccga 60

ggcatggttg cttgattgtt gtattatacc tgtgcggtac attataatat ttgtactaaa 120

taaattcaga cttgatgtat cgactcgtaa tatcacgtcg cggcgacctg gaaaagagta 180

attttataag ctttataaaa cggactatgc gtttttgatc ttttacatga ttctaggata 240

gtaacatgct cagtgcaaat gttagcgtt 269

<210> 36620
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36620

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tacatgtacc tttttcttca ttaccatgga ctctatgatt tctcattaga atatattctt 120

caacacccta attaaagctt gtgtacctga agaaattata gagattangg aaaagttaga 180

acaaaggact gaataattta atattaattg aaagtgcttg gctagccatt tcaattagag 240

gtgtttataa caaagcctat atttcactgg cttatgcaac ttatatggct tcactttgct 300

ttatgatata tg 312

<210> 36621
<211> 261
<212> DNA
<213> Glycine max

<400> 36621

gaacaccgcc ggatcgaaca cgagctgcat ttttttccaa ggactggagg caggggacag 60

caactcctcc cttaaatatg atgctttcct cataattatt caccctaat tcctatgctg 120

aaacactccc tatcaactgt agcctaaaca gctaaatcta ctctagtccc tctctatacc 180

tatcagcaaa atacctattt ttcaaatagc ttctacccag ccaatactag tgaaccagcc 240

tttctttgcc agttgatttt c 261

<210> 36622
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36622

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ctgttcttcc ttcccgcgat gcttcttttc atgtccgcct gagtgggctt atagcctaaa 120

ccatacttcc cacgatttcc ttgggttttt atcaggctag ttatgccgcc gttgtctttg 180

cctaaaccca tcccgggttc ataaccgttc cccaacataa ctcgggccat cattaccgct 240

gcatcggaca gacaaggttg cccaaagagg gagtccacgg aggaaatgtt gaccacctca 300

aaagactgga nagcggtttc taacgattct tctgcggctt ccacataaag catggaggat 360

gggcagctta ccaagatatc ttcctcacct gacacgatga cctagtgccc ctccactatg 420

aatttc 426

<210> 36623
<211> 285
<212> DNA
<213> Glycine max

<400> 36623

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tcttcaacta tcactaaact aatgcctctc aggggactgg cagtagctta atccactgga 120

aaagcccttg taaagacaag gggacgcaat aagactcacc tgatatcaga gtaggaaaaa 180

attgaaaggg aaaaaccgtc ttataatgag gaactgcgtc tattgggatt gtacggtgac 240

accctgaata tgactctgaa tatgactaca ataggcctaa atatg 285

<210> 36624
<211> 304
<212> DNA
<213> Glycine max

<400> 36624

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tgatatttct gctctgagtg aagagagaca ctacagcttt ctggttttac atagaggcgc 120

ctctcttttt ctattatttt atttaagcta tgccacatgt ccctcattga gtggagcaca 180

ctgggcccac tttctctttt gattgtgact catactcagc cccaagcagt gacaaaaacc 240

tgaccttcga aacgcttaaa tcctgactcc gcttgctagc catttctctg gatctccgtc 300

cttt 304

<210> 36625
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36625

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acaaagtact ttcgacacct actgtacgtt gatttgacca atgctgttat gggaatgttg 120

caacaatcct tcaaaacctt attgatacat tttgagaggt tggttgtcat gtggccatat 180

cgacgtcctt ctctatcata agccatcgtc catttttcct ttgaaatgcg atcaatccat 240

gttgctgtgg ctggacttag ttgacgaaat ttttctaaat tttggtaaaa aaatgtgctt 300

gcaaggagtg tatgctgcat aaaatgagtt atgaataaca attttaagta tatattaaat 360

aaacgtgacc atcanatatg aaatc 385

<210> 36626
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36626

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agagcatagt gtttttggan aatgtcgctg atgttcggaa tgatttgaac gagagattct 120

ctcaaggaga ccttatcaga atttctgaac ttcaacaaga gatatatggc ctcaggcaag 180

gttccttctc tgtcactgaa ttttattctg agttaaaaat actttgggaa gaactttaaa 240

catatatgcg tattccatgt tgttcctgta ccattaaatg cacctgtgct gcaatgagaa 300

atgccagaca ttntcatact cttaattatg ctataagaat tttgactggt tngaatgaca 360

atttttcagt agtgaaatct cagatcctna ctatggatcc actgcctagt atgaacacaa 420

ttttttc 426

<210> 36627
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36627

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ggatggcgcc tcctctcacc tctnttcctt tgtcttccgc tgcatctcca tggtggaaaa 120

tcatcattaa aggatctcat tgaagctcac agatccagcc tccatagaag ccccacaagc 180

aagcttccat caacttctat ccatttctct ctattaatat ttgttggaag atattggaat 240

ctgatttcat catcttcagt ctaacaattc atatactcta atccgtctat ctctgcaatc 300

taattgcaac aagtctctgt tgcaaatgta atgggtctct tgctggtttg tgttgatatc 360

atttgccaca ttaccacgta cttcatgtga tatg 394

<210> 36628
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36628

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aggatggcgc ctcctctcac ctcttttcct ttgtcttccg ctgcatctcc atggtggaaa 120

atcaccatta aaggacccca ttgaagctca nagatccagc ctccatagaa gccccacaag 180

caagcttcca tcaagtggta atcagagcac aagagcttca agtaggtgct ccttaaacct 240

ccattaattt tttgctttac cttctcttcc attggtgntt cttcattntt tctccatgta 300

tctcctcaca tgtcttgtgc tanatgttnt taacatgatt ctttagagtt tccaccgatt 360

aaacttgcta tagaagctag atntgatttt ctatggttca aatttcttgt tcttgttctt 420

gaaccatgaa ttatgttgag ttt 443

<210> 36629
<211> 392

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36629

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gcacganatt gaaggaagaa aaagggagag aagttgaact ttgagttgtg tctcacaaaa 120

ctctcattca tcaaagttac aacaagtgtt acacatgctt ctatttatag agtaggtagc 180

ttccttgaga agctctctta agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240

gagaagctnt cttaagataa cttccttgag aagcttcttt gagataactt ccttgagaag 300

ctatagctta gctacacaca cccctctaat aactaagctc acctccttga gaagattcct 360

aaataagtta gagcttagct acacacaccc tt 392

<210> 36630
<211> 246
<212> DNA
<213> Glycine max

<400> 36630

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aagactcgtg atattcgaga gcatcaagac cagcatgaag acaagtataa gccgatttgc 120

tgcagaactg atcgaatagc agaatttgtc cagctgaatt gctgagggag gagcctttta 180

tgcgagtctt tactctctga gaatcaatta ccatgacgca gcattcgatt accagaagcc 240

caaaac 246

<210> 36631
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36631

agctttactt tgaggcaatg aggggcatcg tgcaagagcc tcaagtgaac ataagggcag 60

atcanaagtc ctcacccgtc gatgttttta acaaaaaaag gggggacaaa cnctgnaatt 120

tcanatagat tgattanacg tcanacggct ccattgctgt cactccanaa tggtcaagtg 180

actaaatcaa acagaacata cactctgagg gagttctcgg agagatttgc aaaagatagg 240

ataaggttgc atgaattatc acctttttca naaggacagt caatctgtgt tttccaaaaa 300

gattaaatca naatcaaaat cacaaaatag ggaaagaatg tcatgaacat tgtacaactn 360

tccattgcat tgcattgttt catatgaggt cagcgttacc aagtttcaca a 411

<210> 36632
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36632

tgagctcatt gttgctaccc cacanagctc tcatgaaatt gtttggccac gctcttcctt 60

gcgagccctc ttggtttctt gttcaagggc tcttgcggta gctgcatttt cttctcgtaa 120

cccagcacac tctttccgga cgtctgtagc gaccaacttg aatttttctt tggcaagtct 180

cgcttttcct agtttgattt ttagagctcg gacttcttca tcctctttcg gagcatcgaa 240

gttctcttcg ttgataatct ttaacttgga gagccaatct aaccctcgtg tatgaacttt 300

cagccattca tgataaccac caatgatgcc attacgaatg ccccttagtt ctttaacttt 360

ccttaacgag ctntcccacg ccttatggac tctatgtata atcttgaaac tttgcgcgcc 420

gaaatctctc ac 432

<210> 36633
<211> 263
<212> DNA
<213> Glycine max

<400> 36633

cactgaccgg gaccttaagc gactgcattt tgctttattt gaagtgactc ctctaaaatt 60

cactttacaa agacactgtc ttttaatttt gacaagaatg ttcataaaat cactcctatg 120

tggaggatca ctaattcaca cataatcact tagttatatg gtgtcttgtt actatactac 180

tatcgacttc tttatatatt tctttcaact aagaattaaa aaaaacctgc tttcctcaaa 240

gctggctttg cattaaagga aaa 263

<210> 36634
<211> 443
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 36634

cttaactacg tattctttta agaccccana tgtagcttan attatttaat taaggcatta 60

ttgagtgcca tagtttgaaa cttctaactt taattaatcg agacattgtt aaggttactt 120

agaaaaaana ttaagtgttt caatcaagca gtattcagtt aagattggat cgatctgata 180

tagaaaggaa aggttaggaa tntgtctaag tatttgtgga aatttttgaa gaaaaattcg 240

attacgaaaa cgaagattat gtccaatgta gccatttttc ctcgattgca aaatggtatt 300

atacctcatt attacctctc taatgcaatn nttntatatt cttgtcaatt gtcttcacat 360

tttaatttac tcgctttctt tttatatntc caacacattt attcttttct tttcgactta 420

tattccatgg cactttaaat tac 443

<210> 36635
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36635

agcttaaatt tgcggttgta tgacttanag tactaacaga gcattttaga ggggtnntac 60

ttntnnntgt ttgaaaaact tacataatta gcataaatat ttttgaaaca atttttaatt 120

aaaaaaaccg tctttcataa aacacacaaa cagtaggcac taaaaccttc ccaaatgcta 180

agacaacaaa ggctacatta caaacaaggt ccagtctaga gcaacacatt cacttgaagc 240

aagttccaaa gtacctcatt agaacagaag cagcgataaa catgaccgga ttggtgtagg 300

ttctccgcat attgtttgta taaagaattc ctctcagact gcctataatg accataatcc 360

cctccaacac cangccctaa canattcatc acaacccaca aaaatacaca cttaaccata 420

aacaaaaat 429

<210> 36636
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36636

agcagngatg tcaatgtttc tcncagttgn ggctgggaac tcatcaaaca gtgtgaagga 60

agagaatatg gaagacatag agaaacatca gattgagatg gatgagggag aattcagtga 120

tggaatccct tataagccta gtttgatgga tcatcagagt actaataacc aacaatctga 180

ggacttcttt gctgagttgg gagaaataga agctgaccct ntggaccttt tgttcacaca 240

aggttttggt ggtgctgatg atcaaaggga atccaaggcc ttggatccat ttcatctctt 300

tgactggtca ggatacaaca acaacaacaa caacacaagt agttcatttg aagaacctaa 360

caataagaga aggttataac aagaccctag aaaaaaatgc atgcatcagc accttcctca 420

caaa 424

<210> 36637
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36637

attaagagag tgagatagat tgttattaan aattagtatc tgtattattt aatggaaatg 60

attcattgat aataaaagcg ttggattctg catgaccaac acanttttn tcccagaaat 120

ttaaggtatt tctcagttga gattcaagaa ctacactatc aagatattga gattatgtaa 180

gaagtttatc tctcagttta tagatgtttt tttcatacac atacaanaaa agaaacatca 240

nagttaaaat tnttaatacc aatccttatg ggattntatc taattcaaaa naacctatga 300

gaatcttgtc acaaatattt tttacaatnn taatttacca atatatnttt aaatatatta 360

tatattaatc tattaattgt attttaatga aatagtctga ttcaatcgac aaacctttc 420

aagttcagtt caattgaacc aacgggtctt cagttcagtt tcattc 466

<210> 36638
<211> 304
<212> DNA
<213> Glycine max

<400> 36638

gatgggtgtg tgtactaagc tctacttttc aacggaagtt tcgcaaagaa cttctcaaga 60

aagtttctca tgaaacctat caagaagcta tctagtctat aatagaacat gcataacact 120

tgttgaactt tgtgaatgaa agcttatgag atcacttaaa gttcccttct ctcctcttta 180

ttccttcatt tgtgctccct ctctctcttc ttgcctccat taagctcctc ttaagctttt 240

tccatggaat ttggtgggaa ctcttttctt gctattccta tgatggtcct cccttccttt 300

tctt 304

<210> 36639
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36639

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catcaaatag tgcacttaat gcatgtgaaa ttataaaact acccctaata caaaactacc 120

ccaaaaataa tgaaacccta atctaatatg tacaaagata agtgggctca tacttagccc 180

atgggccaaa attctaccct aaggccttct tcagcagctc tagcccaata ttcttggagt 240

cttctatcca ataccttgg agggtaggat tacatcatat gtggatatta ttcttgatag 300

tttaatttgc caatgatgga caaagtcttc caaaggggac tcaantttgc ctgatagatt 360

gaatcanata gattcaaatg tcatgatag 389

<210> 36640
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36640

agcttaaact ttcatttcta gcgtttcgnn atataacggg gactcaatca tacatccgag 60

taaaaagtta tcgtcgtatg aattggctta aagcttaaac attcaaattt gagcgtctcg 120

ttatattaca ggactcaatc agacatccga gtaaaaagtt attgttcttt gaattggctc 180

agaggttcaa cattcaattt tgagcgtctc gatatattac gggactcaat cagacatccg 240

agtaaaaagt tattgtcgtt tgaattggct cagagcttca acattcaatt tcgagcgtct 300

caatatatta cgggactcaa tcagacatcc gagtaaaaag tta 343

<210> 36641

<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36641

agatactcag cttgagccat tctaanataa taacttntac tcggatgtct ttattgattc 60

ccgtaatata tcgacacgct cgaaattgaa tgttgaagct ctgagccaat tcanacaaca 120

ataacttttt actcggatgt ccgattcagt gacgtaatat atcgggacgc tcaaaattga 180

atgttgaacc tctgagccaa ttcaaacgac aataactntt tactcggatg tctgattgag 240

tcccgtaata tatcgagacg ctcgaaattg aatgtggaac ctctgagcca attcaaacgg 300

caataacttt ttactcggat gtctgattga gtcccgtaat atatcgagac gctcaaagtt 360

gaatgttgaa gctctaagcc aattcatacg acaataactt tttactcgga tgtctgattg 420

agtcccgaat ataacg 436

<210> 36642
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36642

agctntgtgt tcttacccga agatcatctg tcatcctctg ttgaaatact ctgtatgcga 60

gaatgtcctt tgctggaagc aagatatcaa attcagaatg ggagatattg gtctaggatt 120

gctcacattc cagctatcca gataaatgaa aaagtgataa tatgagttgt tgcatgaata 180

agagtcatct aaagataaat aaataaaggc ttaaattatt ttgaaaaagt atgatgttaa 240

tgttataaca tttttatttt tatttcttgc actcccaaga gaacaaattt gcgtttcaaa 300

cttcaagttg actacataaa tagttgtcca tggatggtac atctgt 346

<210> 36643
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36643

tatntanatg cattagttgt gttgagatcc ttccttattt gttgatgttc taaaaaattt 60

taaaactttn taaaaaagta taaaattttt tagaatatct tgaagctggt gaaaaaatgt 120

gaaaacctaa atattcttga gatgtgtgga accttctaga actttatgaa agcgtatgga 180

aggatatcaa agggagtaga agagtgtgga aactcctaga atgtgtgaaa cattctagag 240

agttaatttt caccctaaaa tacaagtaat ctccaccatt cattatggag gtggagtaat 300

ataaacacga gtagagttag agagcctttt tgagagagaa gatagataac ttgaaaaatc 360

tctatcttca agcttgagtg aaccattata gagtccgtca atcttgtaaa tatatccttt 420

gaattcta 428

<210> 36644
<211> 371
<212> DNA
<213> Glycine max

<400> 36644

ctctctctct ctctctcggt ctctcacaca cacgttgaca acattgtaga agatctttat 60

attgtaatcg aattatacat tatgatatat agtgaagaga taaaattttg taataaatta 120

ttgtaaaatt atattaatat tagtttttga tcaattaaaa gggtgaaaac ttttacactg 180

acaattatat ttatttaact caaacaaata tttttaagct gaaaaatага ttactattac 240

attcatttaa gtggtacaaa atattaaata atgacaatac tattttcttg taaagcgggt 300

aaaaaagtca atgtcactta tccttatcaa tgagtctcaa tcaaacatac cacatacatt 360

aatttaatat c 371

<210> 36645
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36645

actgaggaag aagacaatca ttgcgagccc attctntatt cccacttcac cttcattccc 60

tatcctttca ccttttacac ccttttgtat atttgatccc ttcatgacta tggagggcta 120

aacaatccac tgttggggag cttcccacca aactctcttg atgtaaaaac tcttactatc 180

tatataatat tactactagt ttcattgctc ttcctgtgtt gatttccatg tatagatgta 240

cttggtttga tcatccattt atattttatg tcanggttta agcattgagg aatgtggtta 300

atccttagaa ctangaagag catctaacat gcgtcattgc taaggatagt gtgaagtagt 360

ttagtcgagg tgtacatctn tattagtcat gtagtttgct tagttgagtt cttg 414

<210> 36646
<211> 539
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36646

nnnaacagcn nnnnnnnnnn nnccccnccc caattaatta attttgccta aaannctngn 60

nannncnnnn cnatnngcnn agnancncnn gagngggngt gnnggcgngc nttcttgngn 120

gtgcgcngtt ctcggncnnc ngngacngag cgtgnntttg tntttcccca tgcgcctntg 180

cggcctnnnt gccnngttnn gtgggtgtcc ctcgcttcgt gcttttgcct cgcttgtcgn 240

gaccccnnct gctngaatct ctcttctttt ggcctgattc tgcngttgtt ctcagttgtt 300

ctcgntaatg ggagtatctg tcgagaaaaa tcaaactgaa catgaaaata tgtacgaatc 360

ctaccaaaag aaccataaat tgacgaaaag atgctaattt catattacca ttcaatacag 420

aagntagtcg tgaatgacca ctaacaatca tgtgatgatg atatctttcc agacttgtct 480

actaagtcat aaatttaaca tacaagtcaa taatatcaat attgtaaata agtgagcag 539

<210> 36647
<211> 298
<212> DNA
<213> Glycine max

<400> 36647

aacttagatg tatgctcgca gttctcgata atttgaaata agctaacact tgagggagag 60

attgttagtt attataatgg gccactaaac acgcctattt tataggactg acagggtttg 120

gttagatgct tactttacgc ctatattgct accatgcagt atatgggtct ctcgatttat 180

tgatgttcta tcctgacact cacgtgtgtg aagcttataa cagccatttt cttatgattg 240

actatatgcg caatcttctt accctattac cgtgtgatac gcgcgtatcc attaatct 298

<210> 36648
<211> 197

<212> DNA
<213> Glycine max

<400> 36648

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actaaattat atccatgagg gtgcaaaaaa aagatcgggc tccgatgata tccctacagc 120

ccagcagaga gctaggctcc aactgagcga tcagcatttc aaggagaaga ctgcgccaga 180

agcgtgcata taaagaa 197

<210> 36649
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36649

acatctatcc tgtgtttcag atattngaac gggctatccg caacaaataa atacgtaaca 60

agtcaattca agaaattggg agaagagatc ctgtctcaat ttaactagtt catgtcaatt 120

tgattgctaa ccttcattga agttaacttg ttcaatgctt ccagctacac cataaccctg 180

gattacattc acatctttta caaactgagg tgagagcttt ggaagcaaat ttctggagtc 240

tacaatcaca gccttgaaca tgcgtgatgg ggc 273

<210> 36650
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36650

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tgcacaacaa gttntccaca tccacaaatc gcgcataaac ccaccatccc ctgttgccca 120

cctccaactg agctcacgta ctcccacgta gcccatatcc tcgtttctct caacaccggg 180

tccccatcaa tcctcccaag cttccccaac atccaagtaa tacaacattc aaacagcaca 240

aactatcaca gccaagataa cagggcatat gcagaaaact ctgcccaaaa caccaaccaa 300

aatcacagct gttctcactt aaagacccca gtaacaattc cttcgttcca gttcgttaac 360

cgttggatcg actcgacaat tntactgcaa gtctctatac ata 403

<210> 36651
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36651

ccttagatac tcagcttata gcgcgtctgg gaacgaagtc aatgtgtcct tatattatga 60

tgatgttccg agtacattgg atttggtacg accatgccct cctgatttcc acctggggaa 120

ttggcgagtg gaggaacgcc ccggcattta cgcaacgagc ataatgtaaa cctttatggt 180

tntaaaagct ctatagttgg gcctaggctn tagagttttt ccttttgtta aagctntgtg 240

tcttttgttt ttgaatttat aatacaagga tctttcttca tctattccta cgtctctacc 300

cattctcatt catttgcatg tntacttctt tatttctgaa acggcagatc cgatgacgag 360

tcccccgaag gtactaatac ctgngacccg cttatcaact tcgagcaaga aatgaatc 418

<210> 36652
<211> 333
<212> DNA
<213> Glycine max

<400> 36652

gcctacagtt aatgtcaatc cagccactgg gagaggatca acccctcata aagagaagta 60

tcatagttat ctgggagttg tagcacgaga gataattcct attgtccact ccaattggaa 120

tgttgtacca gaaactttaa agaatcttat atgggatgac atttttgtaa gtccttattt 180

aagttgacat ttgtatatga tgtcatataa taattgcaaa aatattatat ttgactaatt 240

gttactgaac aattttgttt tggagggcaa atttgacatc cccgatggtg gcaatgctga 300

aaagaaggtg atgtcaatgg tcgctactcc atg 333

<210> 36653
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36653

tgagattgtt gacgattatn ccttnctcat tataagggat attttatatn actnggntga 60

tatggaccaa ccttgagata aacacgtcgt atttcatctc tntgatcaaa aggaaactcc 120

cacatcattg aacgcaatcc acgatcttgc tctatattaa taacatccat atcttctact 180

tcaattcttc tacattntan aggttgtact tcatcanatt aatttagaat cttgtgtgaa 240

atttgaagct tgtggaatag gaataagctg agatgaatca ataatattat tgttgctttc 300

ttctttaaga atgacaaaag agtttttga gttgacatct tcaacaatac agctgtagta 360

tttctctttt acaaaccaat aaacatacaa aatagaatta aaataataat atattaagtt 420

aagataaaat gtaattgaag ta 442

<210> 36654
<211> 160
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36654

gggacttcac cacctcctga nccggnngnn ntttnttnnn ggtggttnnn nnnnnngnnt 60

nttttttttt ttttttttt ttttttttt ttttttttt ttttttttt tgttttttt 120

ttttttttt ttttttttt ttttttttt ttttttttg 160

<210> 36655
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36655

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atgtttcaac gaatttaata attagacctc ggattcttca atcatttttt ttttttttt 120

ggctatgaca tgtaacatac gaaattcttt ttgcttctct tcttttgttc cactgtaagc 180

aaataactca tgtttatgta ttctatagtc acttgaattg gtccataatt cacatatccg 240

attttcatgt tgaagaagcg caagattccg tgcaaacaat tcttagatgc tttcaagctc 300

aatataattg tcattcgttt cttactattt taatataaac atcccttagg ctagttagaa 360

gcctagaatg aagtggcttg tagctatgcg attttcacaa gtatgataat attttcagaa 420

gctatgatga gttggtgata t 441

<210> 36656
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36656

ttctntaaat gtgatgtaag ttttgatctc ctactcacaa gcaaaagaga catagaggaa 60

ggaagaacaa taaaagaaag acataaggaa tagagggagg ctcttgcacg tttatatcca 120

cccctctttt attaaatagt tttgttgttt acacccagtt cctctaaaca cctccccttc 180

tatatccaaa gtttacaaat aaggtccaac actttcacaa cctacacttt aagccctaca 240

actttatgaa aactatcaac aatactatgg caattaataa aaacataacg atttttaatt 300

aataattttc atatcaaata gcataattta aatttagttc tctcttgcgg tgtttatcaa 360

gcacttagca cacattatg 379

<210> 36657
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36657

tgaagatgtt gtgctcanag tctctggatg atacncttcn tttagacttt ggagtaaacc 60

ttggttctaa gatgtggcaa cataagtgtt atcaatctaa caaaaaatcc tatcatgcat 120

tctacgacta aacacataga aataatgcat cattttctta gagatcatgt gttaaaaggt 180

gactgctaca ttgagttcat agatagtgag cattaacttg cagacatttt cactanacca 240

cttgctagag ataggttctt tntcattaca aatgatatag gcatattaga tgcatccaac 300

ataaaataac ttcctatttg cataatgtgt gatgcacatn gctatttgag acgatgacta 360

atttattctg gagtctctac tttaatcaat caccaagtag tttaatcgat tacttctctc 420

tcgctaaagt gtcagaagta acaagacact t 451

<210> 36658
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36658

agcttctact acatcagcca gggcanaggc actntccaaa cctgaatcta cagaagatag 60

aacctanata agaagccaag canggccttt tggtagaaaa aaggtatgta agggttctgg 120

gtctattata acananaagg gggagaacgg attttgtgat gtgtctatcc cacaacctgg 180

tgaaatgtaa gaccacctac ataacctagc ccaaaagagt gtaagcgagg gattaaaaac 240

ctagttgatc acttataaag tcaagtagaa aatattattc tattttgatt cccaacatgc 300

aaaagtacaa aaccaattaa catagaaatt agagtgagtt ggatggaacc tgatgatc 358

<210> 36659
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36659

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tctcacttgg tcctggctga aagggtgaga aaaggatttt aatgttcctt tccaccaatg 120

gttctcaact atgtctatgg ccgttaccta gtgtgtggta tgtagggttg ggctttgcgg 180

ctatcatatt taagataatt tctaattgat taatattaca tataaattga attattttac 240

aatgaatact ttctggcaca ctttcttaca ata 273

<210> 36660
<211> 495
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36660

accccgcccg caaagattca cgcccgaaat tntgatnccc nantnncccg cgccagcgtg 60

gctgatgcac cgaaaacacc gaccgggacc cgagancacc gcagcagcaa caaggagtcn 120

actttattta gccaaaccgg aacaggagga gggggcgcac gccaccaaga aaatagcgcg 180

aaggaccgca caaggcgcca ataatccgca agggacgcat acccgtgaca gccatataaa 240

cacagaagac aacggcataa ctaaacgacc aggcaacaaa aggggaccca atcgggaagc 300

caaattccac accaaacaag gaaataaggc gcccccaccg gatgggagga caaacaaggc 360

gccaaaccaa ggagccagac aaggacccac acggaaagga gaaacaccca acgcacggcc 420

cgagaaaagc ataaagccag gcacaaacgc aaaacatcaa gggcaacgga acgacgacat 480

acgacacaag tgcct 495

<210> 36661
<211> 530
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36661

cccaactccg gggggaacat gaacggaaca aaaaacnncc ccccccagng ggagagtagc 60

tgagcactga aaccaccanc cgggacccga agcgacgcag cgagcaagga gcttctagnt 120

ttttacaagc cgcgccgccg gccagactct caaatgccac actcgccatc aataacaagg 180

aaatgttcac tcttacaatc agataaagac aaagatcatg cggaaaaacg aattatgtga 240

tataactcag ttttagaaag aataatccag taaacaatca tgaaaccaga tggtgcaaag 300

aacttgcaac aggaacgaat gacataatga tgatcactac tatcgtgcat aagtcagaac 360

accaaaatag atataaaagg tttcttagac cacgaaccac gaaagacaca caaattgtag 420

atcgagaaca ggtaaagcaa cctgcaacac agaggcggaa agcaaaaaaa aactacaaga 480

aatcaagtgc ctaacgacct cataagcgag ggagagaact actaaatagt 530

<210> 36662
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36662

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cttcgtgaag ctgaaccaga atccataacg tgtaaagttg ccaacaatat gctatggtta 120

aggaaagaat tccccaactc ctgcaacata tntggataaa gtatttctaa gcgggctgaa 180

atatttttca taaaataaat gggacaaatt ccatattcta tagtgtatac aaacttttct 240

aatcaactaa attggacaaa tttcatattc tattagtctc tatactatta gacgtctaca 300

catagaaaga tagtcaaagg acaggagagg tgcttccaga ncagtntttg taaatggaaa 360

ttatgataaa aagatgcatt cactaatcaa ttgaatgacc aacattacgg gcccctctat 420

atcattaaaa agagataata tggacaaaat ta 452

<210> 36663
<211> 181
<212> DNA
<213> Glycine max

<400> 36663

aaggtgcata tccttagagt gataacatga cattggggct gctacccata atgaaccttc 60

tcattcaaat aatgactgac acatctttag aggctggtga tactactaat acccgtcaag 120

acataaagag aagcttaggt gcattacact ctatagagcc aaacattctt ggcctacgat 180

c 181

<210> 36664
<211> 279
<212> DNA
<213> Glycine max

<400> 36664

acctctctaa tagctaagct cacctccttg agatgagaag ctagagctta gctacacacc 60

ccctataata gctaagctca cccccatgac aaaaaagcat gaaaataaca agaaaagttc 120

ttattacaaa gacaactcag aatgccccga aatacaaggc taagacccta tactactaga 180

atggccaaaa tacaaggcct agacaaagga aaaacctatt ctaatattta caaagataag 240

cgggctcata cttagcccat gggctcgaaa tctaaccta 279

<210> 36665
<211> 444
<212> DNA
<213> Glycine max

<400> 36665

tatcttggtt tattggatgt acttctattc gtaatttaat gattattgat aatttattac 60

atatctttaa ttctttttg tagtgatcga ttattattaa acttttgct caatccacta 120

atagaaacta atttcactgg tggttattat taatatgatg aaattttaca tcattattta 180

aaagtactga ttcatttcta gtttgttttt aagtttaata aaattaattt tcctccttcg 240

acaaaataaa attaattctt tcgtaacttt aatataaatt attaaaatgt gtgttaaatt 300

atttttataa gatctatatg acacattctc tatataattc ttaccgttta ttccatcttt 360

tgtaattaga attagaagtt cacatgtgat aatcacataa ccgttaaagt ccgacataac 420

tgatagtaat atgtaaagaa attt 444

<210> 36666
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36666

tggtatctag atatctagaa ccccngcann cnactggacc cgggacctta atcgaccgca 60

gctgcttctn actatgatta agacacaacg aactgggtcg ctggattaaa atcgtggccc 120

gtcacatctc gaacatatga aaatctcaaa cgcccttatg tgtgcatgta aggacactca 180

acgaaggatt gtctgcgtaa taagagtgag tgcaagaact tctaagcata aatctgttag 240

aactgtgttg ctggcactat gaaatgctgc atacatatct gcgctaggaa acatcaatgt 300

gactctacat gcggaagaca actcatgatt attggatacg ggattttcat gtgctcatct 360

gccatgacat acattttata atgagaggca ctttgacact tcttgaaggt tatctgccat 420

gggaatatcc tccttgaaat cttgtggttg accttcaatc acatgtcgac ggatttcgtc 480

aat 483

<210> 36667
<211> 327
<212> DNA
<213> Glycine max

<400> 36667

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aatgagttta tgagcaactc aagattcaaa agatgtgaca tgggccattg ctgctatgtt 120

aaaaaatata ctaatagtta tgttatcctt gttgcgtatg tcgatgacat gttgattgca 180

ggatctatta tgatagaaat taatatgttg aatcagcagt tggcagaaaa ctttgaaatg 240

aaggatcttg ctcccgctaa acaaaatctt ggtatgagaa ttcttacata cagatcataa 300

tggaattttg agctgtctga agagaaa 327

<210> 36668
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36668

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tctagagccg cctgcacgtt tcnngctttg tattggccta tcaaagagag agtccatagc 120

ggctcattat tcaataagac acctcctctg tacgtatctc attgataccg atttattgat 180

gatcgtgacg accacaacat ttcattcact agaatagtag gctagctgtg cagtaggtca 240

ccgcagtgtg attagatgac tcgtgtgctc tccatacatc ttactaggga agaccttggt 300

ttaccattct aatctgacag tgggtacagc ttgtaaaaac attatttgat tgtagatctt 360

acacatgcgg gtcttaacca taaccctata cctatatgtc tccgtggatc agtgactctt 420

tccgttttgt atacaagata tgaaaatact atgataggct ttcttggtaa gcttttcttt 480

tttggcatat tgttttt 497

<210> 36669
<211> 372
<212> DNA
<213> Glycine max

<400> 36669

agcttgaaat cttaattgct tgttcttccc ataagcagtg gtcaacaatg cactctcacc 60

catctccatt acaagccttt cttctttctg aacacacatg gtcattaatt cattgataga 120

ccatttatct ctatgtgtgt tgtaagaaat cttaaatggc ccatattcat gcggaagggt 180

gttcaaaatg aaatgcacta cgaaggactc agacatatca acctctagtt tcttaaattg 240

agctgaaata tcttgcagtt tcatgatgta ctcacgcaca cctttcacac tggtgagccg 300

aagagaagaa aacttcatga tcatagtgct ggctaaagcc ttatctgacg tgatgaactg 360

atcatcaatg ac 372

<210> 36670

<211> 294
<212> DNA
<213> Glycine max

<400> 36670

agctctacta tatcactctg gcaaggcact ttccaacctg atctacagaa gatagaacct 60

aaataagaag ccaagcaggc cttttggtag aaaaaaggta tgtacgggtt ctgggtctat 120

tataacaaaa aaggggggaga acggattttg ggatgtgtct atcccacaac ctggtgaaat 180

gtaagaccac ctacataacc taaacccaaa gagtgtaagc gagggattaa aaacctagtt 240

gatcacttat aaagtcaagt agaacatatt attctatttt gattcccaac atgc 294

<210> 36671
<211> 251
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36671

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aactgcggca ttgtgttttt cacgttaaca agatgttttc ggttcaccat cgactttgtc 120

atatcagcaa taattntctt ttcttcctta atcaatcgcc ccgcgtatgg atgtccaact 180

aaggacttcg caaattcatg attatgaatc ccacagatca acttcaccat ccaaccttct 240

cctccatgca c 251

<210> 36672
<211> 575
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36672

gcactcgact cgtgacgctc atcgtgatct ataatactta tcacacactt aacntcnccc 60

ncnnnnnnag gggnaagagt gagcttgatg actggcaaac aagccagacc cgggacctta 120

gatcgactga ggcagcaagc gaaggttgtt ngtatagtag taacgagcga ggaagggcag 180

gaagcatcaa ttattcacag agaggtcggg cctattgaac agctattagt acgtaggaaa 240

tagccatttg ctagaggaga gtctccataa naagacncaa taataagaat aataaacgcg 300

tacccaacaa gctctctcac gcgctgaaaa gccatcaatc tgtcacgaca aagaacaata 360

taacaacatt ttgcaataga gaagaccagc ggaccgaaga gttaagaata ctcgcgaaaa 420

aaccaccgcg agaggtcggt aaaaaagtga tacttgctaa aaaaaaatga ggtggaagct 480

caagcccctc ttgctgggaa acacacatat cgtatagaac aataccggaa acaacgacac 540

tgaaagagaa gccgcgtatc gatatccagt gagan 575

<210> 36673
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36673

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aaaaaagtta ttgtcatttg aatntgctca gaggttcaac attcaatttc gagcgtctcg 120

atatgttacg ggactcaatc agacatccga gtaaaaagtt atggtcgttt gtattggctc 180

acagcttcaa cattcaattt cgagcgtctc gatatgttac gggactcaat cagacatccg 240

agtaaaaagt tatggtcgtt tgtattggct cagagctgca actttcaatt tcaagcgtct 300

cgatatgtta cgggactcaa tcagacatcc gagaaaaaat tattgtcgtt tgattggctc 360

agagcttcac attcaatttc gtgcgtctcg atatgttacg ggactcaatc agacatccga 420

gattaaaagt attgtcgttt gaactgctc 449

<210> 36674
<211> 264
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36674

ggggacgtca ggtggggtgc tatntcccac aaccaagctt gaccaatccc gacccaactc 60

gggcatagtc agtcagtgag aacctgtgat gtacctaaac aggcaagctc ctggcagcaa 120

cagataagag gaacaaagac cacacagcaa tgaagcttgt gtggtggctg gccagctgtg 180

aaacttgatt gatatatggg atgtggcctc ttgtcatcga ttaccacagg tgggtaatca 240

ttacaaggct ttaaagtgaa acat 264

<210> 36675
<211> 191
<212> DNA
<213> Glycine max

<400> 36675

ctgagaaaac tggccacact cagacttgca catgtgcatg cttcagataa cctgacgttg 60

agagataata cactacttca cagggaagaa tttccgcaca tgatataacg gagtaaagat 120

atcggagagt tgttttgcta ttctacaagg acggcctgct gcttgaaaca ggataactct 180

cgttttacta t 191

<210> 36676
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36676

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tacaagccat cttgtggtag aaaaaccaag taattaactt ggacaagatg gctattgatg 120

aagactaaga gaaggaaagt agggtttata tatgcaaagg gcaaagggta cgtaagggtt 180

aaaacaacta agagctacta aattattatg atgtatacga acatatgctt taaattggat 240

catcttctta accatgcaaa cgcgttgggg tacataaatg cttccaactg cctctatttg 300

acaaaagaga aatacctcaa ccactcatat atctctaggg acccactatt cggttatc 358

<210> 36677
<211> 358
<212> DNA
<213> Glycine max

<400> 36677

ttcttcttat ccaaagctca tcttggagga gaagctcctt cttccatggc ttattcccta 60

atggatggtg cctcctctca cctcttctcc tttgtcttct gctgcatctc catggtggaa 120

aaccaccatt agaggacctc attgaagctc aaagatccat cctccataga agctccacaa 180

gcaagcttcc atcatcctct taatcaccca tcgtcataga tttggatatg gtgcgataag 240

gatgccttgc ggcgcgtcta gttatggcat ttttcctaaa ataccacacg tgaggagtac 300

gtaaaaataa tgaatgcatg ctagagataa aatgtgggag tgatttgatt ctcactga 358

<210> 36678
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36678

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gcacaacaag ttnttcacat ccacaatgcg cgcataaacc caccatcccc tgttgcccac 120

ctccaactga gctcacgtac tcccacgtag cccatatcct cgtttctctc aacaccgggt 180

ccccatcaat cctcccaagc ttccacaaca tccgagcaaa acaacattca aacagcacaa 240

gctatcacag gcaagcaaaa cagagcacag gcagaaaact ttgccaaaac accaaccaaa 300

tcacaacttt tctcacttaa agaccccagt aacaattcct tcgatccaat tcgttaaccc 360

gtggatcgac tccaatatgt tactggaagt ctatagtaca tgaacctac 409

<210> 36679
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36679

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tctatgacaa gctggtggtt gaaagccttg cttgccactt gtgttcatgt gattaaattc 120

tttggaacaa acacaatttt gaataaccat tgtgagcttg tcacttgatg acaagtgaac 180

tgttctttct ttgcttgagg acaagcaaaa ctgtgaatat gggggagttg tcagtcgtca 240

tttacgacta acttctgtat tgaaaagcag tatgaaattc gtcttttctc caatttatag 300

ttctttatgt aagtttgtac atatttttag gtttagttta attttgctca gt 352

<210> 36680
<211> 244
<212> DNA
<213> Glycine max

<400> 36680

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tctgtgaatt tagtcatgtg attttaaaat gagagtgacc tgagttgtgt ttatgacgtg 120

tcttaaatgg tgtaaggtga agtaaattgc agtccatttg aacagttagt taaatgagtg 180

agtcaaatga gcgacttgaa atgatattgg atttctagtc tgtcaaccac actggtcatt 240

tact 244

<210> 36681
<211> 344
<212> DNA
<213> Glycine max

<400> 36681

agctttattt catgaattaa gcagccatag atctgtatcg aaactagtat cccaaccact 60

aaaattctat aaaccaatcc ccccttgaat gtagaaccca accctgatgt tgctagacca 120

agagtggaaa ggaatgtcaa acctttttttc catatgttta agccatgtct agcagaaaaa 180

tatcgcatca tccatcaatt tttgaccgtt gaagctcttg tttgagaaga ctatcctgtt 240

ccaatggtac catatacact agatcagaaa aaaatcacca agtttgccat cactatattc 300

tgataccatt gagatagaat ataagtgtcg aatgaagtgt tttc 344

<210> 36682
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36682

tcaccccaac cggggtccat tacccccccc ccccggtgct gacccaacac anaganngag 60

gagaaaaggc gagatnngta tagaaaaagg aaggagaagg gaaagcgcaa aaggaagggg 120

aagaaaaaaa aaaaaaacga aggaaaaaaa aagaaaaggg gaaagagaaa aaaagggaca 180

gaggaaaaga gaaaaagaag aaggagaacc gaaaaaacgc ggaaaccgca cgaaaccgaa 240

cacaaccacc aaagagagcc gacaagagac aaacaaaaaa cccccaaacc gaccaac 297

<210> 36683
<211> 589
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 36683

aatacccgga cgagactgac attgacatgc gagcacgacc acantgcact nacnnncccc 60

ccnnnncnnn nnnaagggat gagcatgatg ccttcgcann ccnacnnann ncnagnagan 120

nccgagagan gacngcangc agcaagcgca gggtgaccna ngatgcncan nggaagaaaa 180

cacaaacggc accgaggaag aggngcgaag ccaccccccc cccacannag ccnangaaaa 240

ggccagaggg gccgagggga agacgnncaa canccacccg caagaagccg ncacnaaaac 300

cagggagaac aaagagaagg agaacaacaa ncaaggcaac gcacangngg aacgcgccac 360

gacaaaaacg gaacagaaaa gagaccggcg ncancgaacg ggagacacaa cgggaagaga 420

ncaaaccgaa ggaagaaagc aagcaaagac ccaaaggggc aanaccggcc angcaggcag 480

caacaccagg aaccaaccac gagggacggg nacccagccg aaagcaagnc cgaccgagcg 540

ncgaagcgga acacacacaa ccaagggaaa acgaagcgca accgacccg 589

<210> 36684
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36684

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tatcatgaga taagagtgcc acttcttacc aaggaattag agaatacaga aattctgttg 120

aaagaccata aagagcaatg gggaagattn gcatgttcat ttatgtctga tgcatggaca 180

gacagcaaac agagatgtat catttacttc ttgatgaatt gtccgtttcg attattccta 240

ttctatacaa caattgatgc atcctattct gtgaaatctg gtgaatatat atctgagtcg 300

ttggactcta ttgtggaaga gat 323

<210> 36685
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36685

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ccaattgatt gagttagtgg gagatcgcga ctcatctttt cagatgatat caccctccca 120

gttacgcagg ttggtggaca caggtaacac cagtaccttc ttccacatta naatggaacc 180

ttccttggag acgccaatga ctataaccca cctaataccg gcagtccata aactcctttc 240

caaacacgct ttcctcttcc aacctctttc aactctagcc ccatctcgag ccacagatca 300

cagcattacc ctccttccta actcagcccc agtcaatgta aaaccttacc gttaccttca 360

<210> 36686
<211> 351
<212> DNA
<213> Glycine max

<400> 36686

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gtgggctgcg acactggtgt gcgattgtct aacagcatcg gatgcggtcg tcgtggcatc 120

atcctctata gattttggac tttagcgtgg actccgtgat ataagccatt tgatctttta 180

aggccgatag atcggtcttc atctgctctt gcacgccctc ttcattattc atttatttgg 240

atcgagtgac atacgggtgc ctttgtgctc tcttagttat ggtgaattcc ctaaagaaac 300

aaacaacgat gagcatgcca ccgcaacatg aatatgagaa tgaatgatcg g 351

<210> 36687
<211> 339
<212> DNA
<213> Glycine max

<400> 36687

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tgctgtcaaa caaagtgtat tatttttgtc agcaaagata atatattata tattgaaata 120

agtaccagag gtacttacta tacaaaaaga gtccatatag atggttccac agtcagacat 180

taatattctg agggggaacc aagctatgga tacagaatgc atatgaattt acatgtatag 240

agctcataac tatgcaatcc cctgctgata cataaaactg tgtggaaaat tacttgacca 300

ttgattaaaa tgcactgtga aatccttctc aaacttcta 339

<210> 36688
<211> 338
<212> DNA
<213> Glycine max

<400> 36688

cagtagaccg ggccttgatc gactgcgcag catctatttg tttggcaggc actttgggag 60

gaattgattg cacctcactc taggtggact cacatttttg gggctctaga taggagacca 120

tctttgaata aggactgact tggtcactga tgccatggcc catatgattg gcacgcgata 180

gggtgctgtt tagtgctgat attttgagga tttgctcact tcttctaaga agtgggagac 240

ctaatgcggt gttttgtgga tgcggtagtc tgttattggg agaactgttc ttgacgggca 300

tttgaaggtg acagtgtacg ttggagactg ctcctatt 338

<210> 36689
<211> 157
<212> DNA
<213> Glycine max

<400> 36689

ttcttcctta ttatgagcac ctaacggact actgggagaa agtatgacca tctgaatctc 60

tcgagagctt ccattgatca attttaagct tctaaatata ttatgcacct gaatgatact 120

tgagactgaa aagttatgac ccttggaatt tctcgag 157

<210> 36690
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36690

tgctntgagt caaaatcctg actcaccata gaccttgacc tagggtgaga atgtcaatcc 60

ttaccctcgg aagcaaaaaa gataagaagg aaaatttcca atcaaagaga aagcaaaaag 120

aaaagaagga aaatctccaa tcaaagagaa agctaaaaga aaagaaggaa aatttccaat 180

caaagagaaa gcacaaagat cagaaagaaa attctcaatc aaagaatggg agacagtaaa 240

aaaggaagaa gaagaacgaa agatagctcc tgatcaatga tcgaaagata acagaagaaa 300

tgtgcagata ggtctntgga ccggacaata tctgaacaat atagaagtgg tcccaaatga 360

ac 362

<210> 36691
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36691

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gattctaatc gctcccatgg cttcggaggt gaaatgccac cttccctgga acanaanaaa 120

agaatgaaat ttcctcttta ataacgataa gaaatttcca tcgagagagc aaaaaagaag 180

aagaaatttc tatccagaaa aagagaaaga tttccatcta catgggaaag aaaagaaatt 240

ccctcaagat gggaaataat tgataaattc aagaaaagct ctgtcaagaa catagaatgg 300

ccaaggtctg gacgacattt gacatcagat cgtccattga caagaataaa gaaactacta 360

aatggctgtc ttgttccacc aaaatgtgcc acan 394

<210> 36692
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36692

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cagattattg acatccgcac tgatgtggtt attaatgcat gtgagtgaac aatgtgtaga 120

tgtgcacatc atagacaaaa gcctatcgtg tgcatcatga ctctcaactg tattattcta 180

catcactcat cgagaccatg cagattattg gcattcgtat taatgtggtt gtcaatgcat 240

gtgagtgtac aatgtgcact tatgcacatc acaaacaana gtctgtctat tgcatcatga 300

ctctcaacca tactgttttg catcgctcac cgaccccacg cgaattattg gcatccacat 360

tgatgcagtt cttagtacat cagtgaacag tgtttacttg cacgcatcat aaacaaaagt 420

atacttattg catcatgact c 441

<210> 36693
<211> 351
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 36693

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ataccactaa atccagattt ggccttccga ctctcaaaga ctcactgttt tttccactca 120

taacaccata ttctcacttt ctaaccctaa gttaactcta cccttcatcc ctagcaggtt 180

tccataagca atttcagcac accaacatca aaagcatcat catanaaacc ctagaactga 240

atgggtaagc ttaactcact caaacataac aagtttagca tgctttcgac aaatctcttc 300

acagataact atcacacagc attatccaag caaaactgcc catcatatct c 351

<210> 36694
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36694

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accgccagaa agaggaaaag aggctttttg caacacggaa gggggacaca accccaaaaa 120

gccacaccgg aaaaccgagg acacggaaac aacacgaacc aggacgaaca aacgaaagaa 180

gcccggaccc gaagggagaa agggggacag aacagaagga aaacaagaaa cggggagaag 240

aacacgggaa accgaccccg cgaagacgaa agaggaaaaa cacgaagggc aacagacacc 300

ggaaccc 307

<210> 36695
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36695

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aaccatacaa agtttcctaa cagatttcta attatgtggg ccattaagtc tatgatatgt 120

cgcaatagcc gagaagcctt gaatctcttc tgaggcggag taagtgtccg ccataaacct 180

tggccttgtg ctaacacagc aggagaaagt tcttgacttc ccattcaagg gtagagcaaa 240

ccgatctatc cacatggttg cctcttggtg taaagagtcc atcacccttc ctctagcctc 300

tgtttctgcg tatacttgag catactcgtc cgcgatccta tgctcgtggg ctgggggtag 360

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cgccgagaca agctcttttt tgacg 445

<210> 36696
<211> 523
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36696

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cacatcgttc acttgtcgtc gatgtagata gatcaccact tgagcctact agattagcct 180

gctgcgaata attaaactca ttgataaaga aaatgatgat tgtggctcga tgatagcgaa 240

catgatgtgc catgctctaa cggcagatat tactttcact gcgaccttca gaactcgatg 300

ggcctgctcc gtgtgattaa catagacatg atattttaga gagatactag gacgtgtgga 360

gcttaaacga tgatttcatt cccaattaga ttcacgtacg acatatcttt tacactacat 420

ctatgagtct tgcaatgcac gcttctanca agtagatagc agcatatact ggacatcatc 480

cttgagatcg ttgaaggggc atgaccgtag aaaccagata ccg 523

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<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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ataagacatc atgttcaaaa tgggagagtg gacttgcagt tngtgcccac tgattatcag 180

ctttntgaca tctctacaaa acgattaact gaggaaaggt tgantttgtt aagaagtcaa 240

cttggaatga tctttattaa tgaattattt aatctctata tgtcatccat tgttgcatcc 300

aaggatatat cgtccactag acttaaacac acactcataa cattcaatan atggacaaca 360

tatcatgcat taaatttttt ttttataaaa t 391

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<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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attttaactc ggatgtccga ttgagtcccg taatatatca agacactcga aattgagaat 180

aatagctctg aacaaattcg aacgacaata acttttttact cggatgtccg agtgagtcca 240

gtaatatatc tagacactcg aaattgagaa tagaagagct gagcaaattc aaacgactat 300

aactttgtac tcggatgttc gatggagtcc cgagcgtctc gatatattat g 351

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<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36699

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atgccccgat gaagaaattg caactggana aatcatgtaa agtgaagttg ttggtagaca 180

ataaatcttc cattgattta gctaggcatc cgacttctca tggaagaagt aaacacatag 240

aaacaaagtt ccacttccta agaatgtcag caatgagaaa ctgaagattg acattgcaga 300

actgaaattc agcttgaaac atactcacta agactttgaa gctagaaatg tntagatgtt 360

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<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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caagccaagg cgcttccgta acgtttccat gggtgattct gcgaagattn tcaaccgttc 180

ttcgacgttc ttcattcgtt cttcgtcgtt cttcggtctt caacctgtaa gttcccgaaa 240

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tcattttctc ttctaatcaa naatacaata natttccacc gatcatttg 409

<210> 36701
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36701

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tattgcccaa naccaagctt gaccaatccc gactcaaccc gcgcatagtc agttcttgag 180

aacctatgac gtacctaaac atgcgagctc ctgacagtct accaataata gaacaaagtc 240

catatagcaa ggaggcttgt gtggcggctg gccagctatg aatcttgagt ggtatct 297

<210> 36702
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36702

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catccactan ggaataagcc atggaagaag gagcttcacc accaagataa gccttggata 180

agaagcttga aaggatgctt caatggagga aaagaaagag ggagagaaag agagaggggg 240

gagcacgaca ttgaaggaat aaaagaggga gagaagtgga actttgatga atgagagtga 300

tgcaagctcc attggagctt gtaagcctaa gatcttcttc atcaatggaa ttctttgctt 360

cttggaagat aaat 374

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<211> 67
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36703

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gcgactn 67

<210> 36704
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36704

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tgttgacttc accaacgttg ttattggaat gctgcgacaa tctttcaaca ccttattcac 180

acattctgat aggttggttg tcatgtgacc atatcgtcgt ccagatgtat cgtaagccat 240

gttccttttt tcctttgaaa tgcgatcaat ccatcttgct atggctggac tcagttgacg 300

aaatttttct aagttttgat caaacacatg cttgcaatga gtgtacgctg catcaaattt 360

ggtatcatc 369

<210> 36705
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36705

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aactgatgca tcatgcaccc canggaaaac ccaccgagag caagaggaaa agagggccat 120

tcagttccca caagcccgaa agaggcgggc agaacaaacc cccccacaga agatacacct 180

cgaaacccca acaaaaaacg gagacaagag gaaacggggg cgacgagcac ccaccacaaa 240

ggggaagcta ccggccgaac ccacaaaaac gcgggcacga caaagaaagc aaccgaacca 300

ggggcggaag gcgcaacaac acgagaaaac gccagaaaaa gcggcacaac acacagaagc 360

agccagcccg gcccaacgac caaaaaccaa aagaaaaccg cgcacccccа cgacaaacag 420

ccgaacaagg acaa 434

<210> 36706
<211> 280
<212> DNA
<213> Glycine max

<400> 36706

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cttcttctcc ttcgccacct cacgtaggta tgtttggtct actcctgtat aatatattga 180

ttgcattcat gtatcgcaca cttagtgaac taaacatggc tagggtttct catatttaac 240

tcgagcatca tgacaactgt gtgcttcttc tccttagtga 280

<210> 36707
<211> 430
<212> DNA
<213> Glycine max

<400> 36707

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ctcagagacc ccagtaacaa ttccttcttt ccaattcgtt aaccgatgga tcaactccta 180

atttttactg gaagtctcta atacataagc ctacatattg accgttggga tctactaaca 240

aacatcccga actcattctg cactgctctt tccacaacca gcaaatgcct attatttttc 300

tgcactagtg gcaaatcctg ctgcacaatt tcacagcaga aatctgcaca gaaagcagat 360

tctgatacca cactgtctct tctccaatct tgcccaatca aatcttacag ttccaaatca 420

tgtttaatca 430

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<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36708

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ctatttattt ctttaagatc ttgctgctat tcatattttc gcatttcact ttctgactcg 180

cattttattc aactatgtcc attctggtga acgtgagata tatcaattgt gaacgaactc 240

gacatcctga ggaagattta aagcatactc ttgatgagaa gagaaaatat atctcacata 300

tcagtctcga agttctaaag agtgaagata ggctcatgcg agctttctgg tttcttctct 360

gctttatatc aaaagaggat gagtntacga aacttattcc ttctcttatg taagag 416

<210> 36709
<211> 263
<212> DNA
<213> Glycine max

<400> 36709

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tctatgtttt caagatgaca gacgaaagaa tgttgtccga tcaaattgat gacattaaca 120

agattctcga tgatattgag aatcttgatg tagagatgga ggatgaagac aaagctctaa 180

tgttgctcca tggacttcca agtcgctatg agcagtttaa ggatgctata ttgtttggaa 240

tggattcaac cattaccctt gaa 263

<210> 36710
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36710

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ttactatgat catctctttc tccgtcatta agggtgccat atgggctgcc aggtctctcc 120

acctttgggc atattctttg aaagattcat gccccctctt gcatatgctc tgtagttgca 180

tcctatccgg agccatatca gaattgtacc gatactgcct aacgaaggca cccattaggt 240

ccttccaaga atggactcan gaaggttcca agttagtata ccangtgaca actgccccag 300

taagactttc ttgggagaaa tgtatcagca gtgtctcatc ttttgcgtat agcccccatc 360

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ttcagcacct tgaacttg 438

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<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36711

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cattgcccac aaccaagctt gaccaatccc gacccaaccc gggcatagtc cgtcagtgag 180

aacctgtgat gtacctaaac aggcgagctt ctggcagtca acaaataaaa ggaacaaaga 240

ccacaaagca aggaggcttg tggtggctgg ccagctgtga atcttgtgtg atatatgggt 300

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gacaggagac tangatggtc tctggta 387

<210> 36712
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36712

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tatttctatt acatatatgt gtcaaacaat ccaaaccttc actatgcatc aagcacacaa 120

aagtacgaaa atagtcactg acccttttcgc agccaagtca acaatgtagc accggttggt 180

cacaacgaac ttgttcatta ccagcgtctt ccttgcaacg accattacca tacatgagca 240

ctaaaccaag cttaaatggt acccgcgaca tgtcttctac actacaccaa gcttaaccta 300

agaagtaagt aagtgaccaa cgtaccgtgg acaaagctct gatctt 346

<210> 36713
<211> 88
<212> DNA
<213> Glycine max

<400> 36713

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aagtcgatga agtctattgt aaatgttt 88

<210> 36714
<211> 243
<212> DNA
<213> Glycine max

<400> 36714

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caacgcagac accttgcgtg agccagaccc atagatataa ctatgggtgg ccaatgaaaa 120

taaactgcca atatttgatt tgttcttcta tgtccgggac aacgtcgtat aatggacgct 180

aactctttaa aaaaactccg cgctgcacta ttgggacgag ccaatctttc ttctggccaa 240

gag 243

<210> 36715
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36715

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ggatgcccca cattatttcc atgacatana tgcaaaaatg atgatttgga aactttatgc 120

aaaactggtc atgcatgcac ctatgcggac actcaagtgt caaattttta tggtcatgtg 180

atgctanggc tcaagattca tttcctccat tttagtcaac ccaatatttc caaaatatgt 240

tcttttatca atttgtgcat tcatccgagt ccatttcggg cgtccgggaa aattttcaca 300

gcattcaccc ttcaggtgta cacattgttt tttanaaact agttatgatc aacgatctct 360

ttcaaagaaa agtgnaagtc atctcttgtc aaaagcatgt c 401

<210> 36716
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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ttacaactat agaacaaatc tgtaacatac cacatactct tatccacaac aagtggagtc 180

accaacttta ttattgaatg cctccaagga agataatgca ccgttcatgg tggcgctata 240

atgattgtta gcatatccta ataatatata taaaccgtac taaatctgag gagtaaaaat 300

aactcttt 308

<210> 36717
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36717

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agtcaccctc aacagccaac aagtcagcca ccatttggtc tcccaaaagg ctgatgccta 180

agttgccaat tgggcccttа ttacaacttg aactaaacct aactaaagcc cttttagttg 240

attaacccaa aacatatttt tggtcagcca actctacaag gattgggcca ttatttagac 300

aaactaaaca ctctattatt gagacaaagt ggtgtcattt attccttctc catttgggcc 360

atgatacaac tcacaacctt ggacttttct ccttgaaact gggcttgtat caaatatatg 420

gacacacttg tg 432

<210> 36718
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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tcatttttctt tcaaattgag ctttcaaaac tatcatgaca tgtagaggag aatcaaagat 180

ntcaagtcac aaaatgtcaa aaacttttat tttcaaaaca attacccatt tcttgaacat 240

atcctataat tcaaagaaaa acatgcaaag tcgtacatgc acacagaatt gacctaaata 300

ttaaact 307

<210> 36719
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36719

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acttgaatga agtagaagag atgatgattt cagtttcttc gtaaagagat taaataaatt 180

cctaagagac aaagataatc atagaagatc acacttctaa ccaaagaaaa gaggagagga 240

ttcatctttt gttccaaagt gttatgaatg taaccaacca cgacatctga gagttgatta 300

cccgagtttc aagataagac tggacagatc tacgacgaaa ctttcactga tatgacagca 360

atagagctta catcacttgg gaatataaca ctatggattc atccgaagac tcacaaaatg 420

acctcatgaa tctaagtctt atggcacaaa ata 453

<210> 36720
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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agttacacac aaagcaaacc tgtttttttag tgtgggccgt attaatattc ttctgaaatg 180

aggtcttgct taatattttt ttcattttta aatcctatag aaatcctcta atttatgtgc 240

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tatgtgttca atataaactt tgtgagtat 329

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<211> 349
<212> DNA
<213> Glycine max

<400> 36721

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ccatgtcctg cttctatcgt gtacgcggga attacatatg ctacactacc acactaattt 300

atgaatcacc tgacacattc aagtgaatct cttctgtttg gacccttac 349

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<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36722

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caagccgagg cgcttccgta acatttgcgt gagtgatntc ccgaaggttt tcgaccgttc 180

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tattctcgtt ttcatgtact ttttataccc ccttttgacg tgcttaagcc atttatttaa 360

gtcatttctc gcctattcta aacataagat atattttcac cgatcatatg aattgtatca 420

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<211> 366
<212> DNA
<213> Glycine max

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<400> 36723

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atagatggtg taaaataaga cagagaacat atcctcaaac gaagataata tattctgata 180

gacagatgag accaattaga ttgtagaaac ttttcttggg tagtagaccc atgaaccatg 240

ttcactatac aagtacattg tggcagtttc gacctaccaa atttgtcatc cctggggact 300

tcaattggaa tatggttctc ccaaaatcta cttactaact ctaagatgta ctgatgacac 360

ttacta 366

<210> 36724
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36724

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gtctccatta atcctcccaa gcttgcccaa catcaaagta atacaacatt caaacaacac 240

aagctatcac aaccaagcaa aacagggcan aggcagaaaa ctctgtccaa aacaccaacc 300

aaatcacatc tattctcact tatagacccc aataacaatc ccttcgtcca cacgtagaga 360

cgcgcttcac gactccggaa at 382

<210> 36725
<211> 354
<212> DNA
<213> Glycine max

<400> 36725

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ccaaaagctt cattaagagg cttctagcac actccagaca tcttctcaac gatcccaacg 240

gttagatcat ggaaaaatgt cttgtatagt tgcagaccaa atttctagaa gatccaacgg 300

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<210> 36726
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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actaaataca ccccttgatc ttttntggtg attnttttc cgtaacgtta ctaaacttta 180

cgaatttcat aacgatgctt gttcgctttc cgtaatgtta tgaaaccttа cggattacgt 240

aatcatccct tttttgcctt ccggaacgct acanaacttt acggattacg cattaacact 300

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<210> 36727
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36727

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tgataggtga cagccaaagt gagaagaagt ctaacagtaa taggcttaat aactggtgaa 180

taagtctctt gaaatctgtg tcatattgct tgagggcaaa gttgattgag gcttgtgatt 240

anatgaagag gaagagggaa agaggtcata cggaaatctg gactcattga acaccacatc 300

cttagatatg tagattctgc cttagaagaa agacattagt agcctttgtg cgtangagaa 360

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<210> 36728
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36728

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ctataattaa gaccaaaact taacttgcac atctgtcatg taaggctaag tntcaatcaa 120

gttctaaggc aatagtgcat ttcccaatgc taaagtcacc taactgtgca cacaaatggg 180

tgatcagaat aaaagcatac aaacattaat cattgaagga agcattgaac acagaanaca 240

taatcaatta gatattaggt atttacatca gctgttcatt acaaatcccc aact 294

<210> 36729
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36729

gccacccaca acaaagacac taaatccccc ccccgcaggt actgtccctg caccnnnnaa 60

cgagggaaaa aggaaaaaaa ccttttacaa aggaaacacg gggaagaccc caccacaaag 120

gaaggaaaaa agaaacacgg gggcacacaa acaaccaaga aacaaaaaac cgcaaaagaa 180

aaaagacaaa agacccaacg caaaaagcac gcacaacaaa cgcgacagcc ggaacgcaag 240

aaaacacaaa agaccacgga aaaaacagcc acagaaacca aaactcagac aacgcgacag 300

aacgaaaccg aaaacg 316

<210> 36730
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36730

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gcagcgtatg ttacccattt aactaaggcg tcctaagcga aatgattgat aagcttcgcc 120

agtatcccca tgaaaaacct tattcaacaa ttcaagttag tgaaaagcta acgaaaatta 180

gggacttata aaactaattc cttaattgaa agcgtacgtg acaatcatag tgaattacta 240

aacaagattg gtagttactt aagtcatacc agatactccc gagccttcga caatcttcca 300

aaatggaaca agaagcacct caaattattt atgttatgaa tgaagatagt gaccaaaact 360

ttgatacaca actgagatat gatcagtgtc acaaaagaat ataaatccaa taattccatc 420

actggaaaca cctgtaattt tatataacgc cgctgccctg cctttataga aaaaagg 477

<210> 36731
<211> 358
<212> DNA
<213> Glycine max

<400> 36731

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acaatttttc cacatccaca agtcgcgcat aaatccacca tccgctgttg cctacctcca 120

actgagctca cgtactccca tgtagcccat atcctcgttg ctctcaacac cgggtcctca 180

tcaatcctgc caagctatcc caacatccag gcatttcagc attcagacag cacaaactac 240

cacagccatg actacatggc aaaggcagag aactctactc ggaacaccaa ccaatatcac 300

acgttgttct ctcttaaaga cccaataaca tttctttgac caactcatca ccggagat 358

<210> 36732
<211> 188
<212> DNA
<213> Glycine max

<400> 36732

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ctataatcat cactctctct cttttgagga tcactctttt gctcgggagt atcactcttc 120

tgtttcatat tcctttgagg agcctcacta ttgactttct ctaaggctct cttttctctc 180

attctgat 188

<210> 36733
<211> 389
<212> DNA
<213> Glycine max

<400> 36733

tggattgtaa tgaaatgatc ggaaaagtat tcaagatact tgaaatgcaa aaaaaagcct 60

tgcttatata agctcttcat gtctggtcaa gatgaccatt tagaagagtt ataactttta 120

gaaaaactta aaaccaattt gaaaaagtca aaaacctttt gaagagttac atcttttgat 180

ttattcagaa acagtcactg gtaatcgatt accaaattag tgtaatcgat tacacaaggc 240

tgttaagtga aaggatgtga ctctacacat ttgaatttga atttcaacgt tcaaagtcac 300

tggtaatcga ttaccaaaac attgtaatcg atacagattt ttaagataat agcagcgtat 360

atattcagtt gaaacatttt caactcatt 389

<210> 36734
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36734

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gtggtacctg gagatatgtc gcggaggtca tgagaccttg nggacgtcag gtggtgtgct 120

attgcccana accaagcttg accaatcccg acccaacccg ggcatagtcg gtcagtgaga 180

acctgtgatg tatctaagca ggcgagctcc tggcagtcaa cagataaaag ganaacaaga 240

ccacanagca tggaggcttg tggtggctgg ccagctgtga attttgtgta atatgtgaga 300

tatggcctct ggtaatcgat taccaagggt gggtaattcg ata 343

<210> 36735
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36735

tgctntanat cacagcaaca cagaatctaa gtgtccaaca cccctccttt caatgaggtt 60

tctaggtttg aaaagtgaaa tttagaatga tgtanatttg aagcaaactc tcacctcaca 120

ccagtccata acatctattt agacttgttc anactgggat tacacctaan atctccccga 180

atcanaattt aactcttcaa cacccaaatt gccctagaaa tggctctnnt gtcactttgg 240

tcatttgttt tctctctgca cagtccaagc ttctcat 277

<210> 36736
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36736

tatcttgcat tatttacatt ctccnccatt ctgaaccaaa gtattcttga catcatcaac 60

atcttcatga tttacaaatg ttaaaaccaa aagaaaaaca taaatttgca aactcaaaat 120

ataagtttta cattactaac gcgaatagaa ttttcaatgt attattaaag gataaaaaaa 180

ttacacttag tgataatcat acaattcatc catctgcgca atgaacaaga aagagatatt 240

acaaatttca ctatgtcttt agacattgga ctaataattg tttacgttgt agagatatga 300

ta 302

<210> 36737
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36737

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gttgtttcgc aagttnttga cataatcttg gctcctggtt ggtgggttgg tgagttggtg 120

agttgctaag ttcgtgagtt cctgagttgg tgtgttctca agctggtgag tntgttgttt 180

aaaactgttg gttctgttta ctgcaatgat tgttattggt gcaccatttt cttgtgtgct 240

gactgtcatt gtntttgttt agggtataag acaacaagac gtagtttgca ttggatattt 300

gctttgaaca atggttttga taaccctaaa cactaaccta agactttgtt gcttactcct 360

gtgcacat 368

<210> 36738
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36738

agcttatctc atatgcatga agatctcact tttttcataa gaggtgtggc tctatcccat 60

ctaggaggac atgtttatac ttgattcata cgtaaagtta agttcttttc ttaaacttga 120

tgaaatgtgg agagcatttc acatagatct ccaactacac gacatgaaag cgaggacatc 180

aattcaccgc tatcaagtat gcagccaatg aacanagtca tatgcactaa accgagatta 240

tcaaaagata ggtaacctat acgtatgaat tatgtataaa aaatgactct tcctaaacta 300

tacaaacaga caattcagga ttcaatacaa tggattatct gaactatcct tattactca 359

<210> 36739
<211> 139
<212> DNA
<213> Glycine max

<400> 36739

agcttattat catcaaactt ggagaaagag ttcttggggt caagacatga gaagcaatca 60

agtataatgt taccttcttc actaaagcgg tgatccatct ccacacatat tttatcaata 120

gcaacataaa aaatctctg 139

<210> 36740
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36740

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catccgagac gacagttatt gacagttgaa tttgctcaga gcttcaacat tcaatttcga 120

gcgtgtcgct atattacggg actatatcag acatccgagt taaaagttat tgtcgtttga 180

atgtgctcag agcttcaaca ttcaatttcg agcgtgtcga tatattacag gactcactca 240

gacatccgag taatatgtgt ttgtcgtttg aatttgctca 280

<210> 36741
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36741

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nanancgccg gaaaagggga aaatgagttt atccaaccga aaggggggaa aaaccccaaa 120

cccagacaaa agaaacacag aaacgacaag ggaaaaccaa aaaaaaggga ccggagggga 180

aaaaagaacg gacggaaagc aacacacaaa aagggacgga aaaaaaccgc caaacaaaaa 240

cggaaaaaag acaggagaac aaacggcagg aggaaggaag aaagaaggac acaaagagga 300

acaa 304

<210> 36742
<211> 257
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36742

catcatcatt ctttaccatc gatttatttt tctttgttta aagcgagttc gaccaatcgg 60

ttaccccgta acctcactta atcaatgtta naatgaaatt caatcgatcg tttatgttgt 120

aatctcgttt aatcaccagt aaaataaaat tcaactgatc gttatgttgt aacctcagtt 180

aatcatcaaa aaggtaagtt tcaacgggtc atttgctttt gaagttcgct tttaatgagt 240

tgataataac caagtga 257

<210> 36743
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36743

agctaggatg ttgatntctg ttacaggaag gaccagtagt ggatcgcatt caaatgactg 60

gatcgaaagc attgaggacc ctgctttgcg tctgagtgtt gcgttgttgg cgaaagagtt 120

gcgcagcatc aaagctagga tcattcggca agagaaaacc agctctgcac cgatctattt 180

gggtacagga ataatccaag agcagagtgc ctcacaacaa ataaatctga acgagatcga 240

cctctacgct ctcaaagccg caattgatcc agctgtactt ggcccatcgt gattntcaat 300

cggtaata 308

<210> 36744

<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36744

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agagtgtaag ctctatcccg aagaatgcat ggtcattggc tgccatgttt tcaattanct 120

ccataacttc attaagcatt nttaattcca gagacatcta gaagttactt caagttaggt 180

cgtaagccat tgataaagat atntagttgt attggctcac tgaatccatg cgttggagtt 240

cagcgatgta aaccacgaaa gcaatctaaa gcttcactaa gtgattcatc tggaaactga 300

tgagatgaag aaatctcagc cttgtcttat gccgtcttgg attttggaaa gtatttctgc 360

aagaatntct ccaaaacctc ttcccatttc ttaggctatt tcccttgaca agtgaaccat 420

ctttaacttc ct 432

<210> 36745
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36745

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tcctctgagt cgcctgcttt atgcancttg catctgatgn gngacatcnt gnacttctga 120

gttatatttc attaactgcg cattatgtng atgcgaactg gaaggtgaat ggtaaaatgg 180

gtaatctttc tcatttttcc tctccacact cggggcgtga gatggctaaa gtatatatgg 240

ttttttcgga agatggtgga tagacaaaca tattctcata attttgatga tgctcttcac 300

tgttaaagca gacttttgag gaagactttc tactatggtt ataaagggcg ggaattttta 360

tattgatgtg tctacattta aacttaggtc atgagggtga agtatcggcc tgtggaaaaa 420

aataggaagc ctagttgtta ggatcaaggg aagaagtttt aactgttg 468

<210> 36746
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36746

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catgtctcta ctancgcctt aattaattta ttatcgttga ttgtacgtaa cgtgttgatt 120

aatttattaa cgttttatat aaanttcatt agtgagataa tnggtacttt tttataccaa 180

catgttgcan atggatattn tccanatatn tacttagctt tcaataagct taatttcttc 240

tcttagaact gtgattgata gtacgtgaag tctatctttc ttttttctcc tttgtgtaca 300

agagcgagaa tgtttggtaa ttagatacct gaacgtggat taatgagtta atcttgtgca 360

ttt 363

<210> 36747
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36747

ttctntattt taactcatca acattacatt ttacagatgg tgtaggaaga ggggtccaac 60

aaatagccat ctctttcctt ctaggagtga gtgaagacat angactagca gttatctcct 120

tacaaatcac cttggccata tttaatatca ttatttgtta aaattttatg taatttcttc 180

aatacaatcg tagaatgaaa ctctatattt atgacaatcc tcaacttatt gacaccatca 240

tttccacttc tcanatttac accatgtgtg gtggtaagta agaaatangg ttgaaaagat 300

agagggaagg tgaanatgag taaaagatac acccatgtta taccctcccc cc 352

<210> 36748
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36748

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cgtctgcggc gacgcgagcg cgtgcgtact tctctttgcg tcgcgggaag agaagaggga 120

gactaggttt atttgtgaga ctccaagctc cattccgata aattgcctgg tcattggctg 180

ccatgtagtc aagtaacctc ataacatcac caagcacttt taatggcaga aacatctata 240

agttacttcg agttatgaca gacgccattg atcaagatat ctaattgatg gcgtcacaga 300

atccatgcgt agaagttcag tgatgtatac ctcgaaggca atctagagct tcactaagtg 360

attcatctga tactgctgat atgaagagat gttgccttgt cgtatgccgt cttgattttg 420

aaagttattc tgcagatatt cacacaatct ctcccttatc ttaggctatt ccctcgacaa 480

cgaagccttc tttatctctc tgcacgggta atgaaatt 518

<210> 36749
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36749

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caaatttatg gatgcacatt gcacagtggg tgcacaaaaa tgtaatgttg tcattggtat 120

atgatgtatg cacaattggt gcataaggtg cacaattgat gcacaggtat atgagtagac 180

atgtaagttg agagtgtctg ggtggccctc aacctaatgc tggaggtttc gtggtgacta 240

aatgaaattg acctacagaa taaacgagtg atcaagatcc ttctatacat acgattttga 300

gaaccataga ggtaagacac tacccatact tgtctacaaa cctcacttcc tatgt 355

<210> 36750
<211> 185
<212> DNA
<213> Glycine max

<400> 36750

aaaaaaaaaa aaggggaaga gagagcaaag aaggaagtaa atacaatgca aaaaagaaaa 60

acgaagagaa acaaaagaaa aaagaaggaa aaaggaggga gagaaagaga aaaagaagaa 120

gaaaaaaaaa gaaaatagaa ggagagagaa aagagcggag aagaaggaag gaaaaagggg 180

aaaaa 185

<210> 36751
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36751

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gttatggaca agctagtgtc tcccgcatta gatgagcttt attctatggt gctagggcag 120

agacaacatt attctagctc aggagatctg ccactctatg ctaactcaac atgaaagcaa 180

gggtacatgg cgtggaaagt ggatatcata agctacaaga tatttgttaa taagagttta 240

tgctggacac ttttatgcga ttgatcgtca accattcaat cattancctc atattccatt 300

gtttgtctat agcctctttc tatgtatggg caatggagat aaaac 345

<210> 36752
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36752

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ataaactgtt cattaattga gaactcctat aaagtgagat gtttntcctt ctttcttccc 120

tttattatct ttntgttgag aaagtaatgt gaatgtgaat atgctttgct gaggttagtt 180

ttggcctttt tggaccacgt caccgtcaca agaattaagt aatactgana acatgaattg 240

gtcttggcaa ctttaatatg ttagctgcac attataaaat attgaagact tgaatgtact 300

gaaacatgaa tnggcttttc cactttaatt gttactggac attaacatga cttgcttttt 360

acatggattg caactttc 378

<210> 36753
<211> 514
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36753

naatactaaa ctangcattc nannncgtan gtttgngaag tcgaggacna angnnnnngt 60

tataatgagg agacgnnaac actcnatntt ctagcnncgn nacaaccaac canctagtat 120

tgttgttagt aaaccataac ggccacccac accacgcacc catatgagaa aggatgggaa 180

ttaaggcact cactatatag tgggataaac gggtcctgga tcttggggaa aatttttctt 240

gacgaccata atggatcaat gaacggtagt agctgggctg cactgactta ttctgatgat 300

aactggaacc aatagtcata ttgtagttgg atacaccgca gtacatgttt cacacttgaa 360

agtaatctcc tgaataaata atcccctact gaactttact aataaaccta caatttacat 420

tttcaaagaa aaatctaaaa catattcctt gatacataca gacactttta aaagaatcga 480

aacaaaacgc tacaccaacc cacataccga atcg 514

<210> 36754
<211> 516
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36754

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nanntcagag aggtggagga ggtgtcttta ntttttttcat cagnacatcc accaggaggc 120

ttgtgtattt aaggaaaccc tctccttgtg attcataaga tccttccacc caagcataaa 180

gaccttgtga gtataactat tccttgttca attggagaag tcactatgtg aaaagctctt 240

attgacctgn gagccaccat atatataatg tggctctcca tgtgtacaaa gatgtgagcg 300

ctacagatca tgccaactaa atgactctcc tattggtcga ccgtccatta ccagccatat 360

ggagtaaatg catatggtgt tgtctacaag aacatacatt tttacggtga attcgtggaa 420

tggatattct caaatatctg acttcctggc aattggaaag cgattcttga tactctagcc 480

gttatatgan tgcttaataa aacccgaatg tgtcct 516

<210> 36755
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36755

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aacgtcttga gccggacgcg tgatgacgat ttgtcaatca tgggcccaat acctactcgt 120

acctgctcgg gtggttggtt tcctacttgt cggccacgtg tcgtagacaa cgctccagcc 180

tttgtagatg agctgaggtg gaccctggag gtggtggcgg tgcgtctgtt gcccgctgct 240

ggccgtcccc aggctgctgt ggtgcctcac cctatgcctg cctaggggcg cagtacttct 300

cgatgaaagc ccagataatg atgggctgat ga 332

<210> 36756
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36756

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ttctaaagct ctcatggtaa aaagtgagtt gtgaatcaca tgtgagatca agagacttat 120

tcactcaagc aaacattttt tgcgtgtgac tgataaggtc tttatctctc tttgactcaa 180

gtttttgtgg gttttcatgt tgtagcatat acatgaattt ctaaagcatg ctatgataag 240

ttttctagtt tgcccaaggg aaggttctct taacttttaa agttcttagg gtgggacctt 300

atctcttt 308

<210> 36757
<211> 530
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36757

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gctcaatgga ggtggcacac atccatattc aactcgccca aacaaataag gagtcttctc 120

tactcaaaga tagctcccta cnctctccta caatcaatat agaacctata tcctaatgtc 180

acatcctatc agagcgtggt gttcccgtgt cctctagcat gagattctat atagtcatcc 240

acctattcat ctgctccccc cgacacaagt tcaagatcat cacaggatct caacacaaca 300

acacacaagg aagtgagtat cacattccta gcttatacag aaccagacca ttaatattct 360

tattatataa atgagatacc ccttgcttaa acatagctca cggaaccttc ccacctcgtc 420

gttcaaaatt acctttttaca tcatcatgca cattacacaa aaatcccccc cttcaatcag 480

gatattttaa cccattcatt ggcaagcgta tgcgtaaatt gtgcctagcg 530

<210> 36758
<211> 265
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36758

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cttcttattc atgagattga ttaatggatc gagggtctct taagttgtta cgaattctga 120

acacacagga agggttgtgc ctatgttgtt caaactttgt aaaatgcatc ttacaacata 180

gtgaaaatct caaaccggtt gttggngatt atacttccca caaggcatga ccgaactagt 240

ataaaaccga gttcgcttct ctctt 265

<210> 36759
<211> 182
<212> DNA
<213> Glycine max

<400> 36759

tatcatacac cagccgtggt ggattttgtg gtaagcgtaa aacctgcact gagatggcgt 60

ttttaccagc aggatatcat gctgcgatca tactcaccat gatgatcgtg atcatcaacc 120

tccaccatcc cgtacctaaa ttttaccagc gtgtgcacct taccaatatc ctgcgacact 180

ct 182

<210> 36760
<211> 282
<212> DNA
<213> Glycine max

<400> 36760

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acaactacaa gattcatggc ctccttaaat tttctgtttc tggaaggaaa ttccatccat 120

aggccaccca tatttaatgg tgagggttac cactattgga aaatccgaat acaaatcttt 180

attgaagcca tagaatttaa catttgggaa gcaatagaaa tatgacctta catactcacc 240

atagtagatg taagcactta ccccacagca caaaaaccta ta 282

<210> 36761

<211> 159
<212> DNA
<213> Glycine max

<400> 36761

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cacctgaatc agacttgcgc gtgacatgac atgaccatat tagtttatcg cgagcttatg 120

atcttcaatc aacgcatctc gaatataatg tggctgaat 159

<210> 36762
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36762

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ngaaccgacg atacgaagag cgttatttga ttctccacca tgcctacaac agtgaggtgt 120

gtagtgagta taatagcatc agccactaca caatgcgtct agatctattt gcntgagatg 180

cagatggatg agcctctgat ctcaagacag gatactttcg aggaaggact gatgatgaca 240

tgaccaccgc caagaccgat aaggccaaca gctcatgacc tatgttacta accaacccac 300

gcattggtac acacgttggt tttttttctt tgaatgatat aaggaagccc atcgcaaaat 360

aagctctttg caaagcaaac aaaatactgt gttgcaaagc caatctattg gaggcaatta 420

ttcagttaaa aaacaatttc ctcgatatgc ccaaacgtca aagcaatgct tcgaat 476

<210> 36763
<211> 115
<212> DNA
<213> Glycine max

<400> 36763

tgagtcccgt aatatatcga gacgcgtgga atgtatatcc gcaactctga gacaattgaa 60

ttgacgataa ctttatacac ggatgtgcgg ctgagtcact gtaatatatc gagac 115

<210> 36764
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36764

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ataactttac cgcttttgca tgaactacgt aggtctggtt tcctgatcgc aattgaggat 120

acataggagc aaaagctccg cttttgtcga ccaccccaag agatcgttaa tggtacaacg 180

ccttaacgtt tctctccttc caaaaaccaa gagatcgtta atggtccaac gccttaacgt 240

ttctctcctt tcaaaaccaa gagatcgtta atggtccaac gccttaacat ttctctccnt 300

ttccaaaatc aaaaga 316

<210> 36765
<211> 247
<212> DNA
<213> Glycine max

<400> 36765

ttaccaatgc cactccttca tatgattata tttttgtact gtttaagtag agttctcaat 60

acataatgtg atccatgggc cagccattaa ggtcattttg acaggagcat gtaacagaac 120

agcctgtata aacaaaacat gatttttaag ctacttttga atggattctc actgttatgc 180

acattctgaa gctacttttg atccatcaga aatatcgcat tttctctata cgcatgcaat 240

ggtcatg 247

<210> 36766
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36766

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aggtgtattt gttacttaca tcacacacat ctccttggct aaactcacat acatgcatac 120

tcaagcattg tggggcacca aaaattgcac atgtgcacat cttggcattt ctaataccta 180

catacgcaaa cttcatgatg aatcttgact atctacacaa taaggtgcta catttcatgc 240

tctnttttca agtttttgct atctaaagcc gcatgcaatt caaacatnat ttcctttgct 300

gactanaatt gattccaaat taaaaggata atttttgtaa tatggtttct tcacataaca 360

tgcaacatat ntatatatat ttttttgtga aacattttga ctacccaaat atatatacat 420

aca 423

<210> 36767
<211> 246
<212> DNA
<213> Glycine max

<400> 36767

atctacacaa ggtctgagag accatacatg attactaacg atttctaatt atgtgggcca 60

ttaagtctat catatgctga caatagccga gaagcccatg aatctcttcg ggggtggagt 120

aggtgtctgc catcgccttg gcctaggcta acaagcggtg aagatcttga ctcccgttct 180

aggtcaaagc gaaccgatcc atccacatgg ctgccttttg gtgtaaagag tcgatcaccc 240

ttcctc 246

<210> 36768
<211> 209
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36768

gccccactct atcataggat agntcctgac atctcaaaca aacaaatggg gtgttcaaga 60

caattatagt cactgtttga atacctcacc cactcaagtg tatcacacaa ttatggcttt 120

tctctaatga aacactctaa ttccccttga gttcttaagc aattcaagag attatggcca 180

caacaaagaa caatacacca atatgtgta 209

<210> 36769
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36769

tgcccgagtc attcatccct atgaagtgtt gttgttgtat tggcgatcga aattgccatt 60

ccctgtgtta tggagttgaa ccaagctcat gctttttcga aaaaagttca tcaaatcaag 120

ttgaagaatg gaagtaacta tcttgcaaaa attggggcaa aagatgaatc gagtcacatc 180

actgcttcgt ctactgccaa acatatttag gattgttgat gttcttggta cttccagttt 240

caccttgaca aagatgtcat agaccatgtg gaanatctaa attgattcaa ccccatatcc 300

tgcacaatac ttcaactgta catcattcgc atacatccat gcttttcatt gggtgcattg 360

ctcattgatt ctttctttga aaagaaaaat aaataattaa ttattacata aataaaatga 420

t 421

<210> 36770
<211> 234
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36770

cttcacaaag tgcctatatt tgtttcagtg gcgtaaacaa caaatttcac cactctacgc 60

atgtccaatt tttagaagac atttttcctt attacccaaa ttcgttgcca atctctaact 120

ccccttcagc ctctatacaa cctcccttta ttccattnta ttgtgaatgt atgaattcag 180

ggttttgatg atggccaagt agaatcaaac gaggttgctt caaaaaacat tcaa 234

<210> 36771
<211> 250
<212> DNA
<213> Glycine max

<400> 36771

tcacaggcac ggctaaaggc gtgttagtct cctgaaaaca acactcgtgg tagcctcctc 60

tactaagctg cccttattag tagtctttgt tgtaataaga gacttgtcaa actgtactca 120

agtcatcgtg atgttgatta ttttgtattt cacttccttg tgacggtaca ttctagggct 180

ataaactgac cctacatacc gtaaattccg taaaattttc gcataagggt ttggggttgt 240

tttcatcatt 250

<210> 36772
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36772

aaagggtagt gngtttgtat nnctgcanca ttgatgatan gacctgngcg cngangcnga 60

cgaatctgcg tgagcgatgt gcaacaagat ctctttggag attaactaat ctcaaccgga 120

ggggtcataa gataatgaca cgccactcat ggtacatata tgccataaca tagaaggtat 180

atctcaacct aatctgtcgc agcactccat tattatatat tacaattatc catgtttggc 240

atgtacatgt gagtccctgc aactattgtc tcccccacca tgacggaagt atctcgctct 300

atcaacaggc caacatcgga aggatgctag taaaaatgat gctgatcact gaagaagcat 360

tctttgtgct ttctaacgtt gctgatagct ctgaacacca atatttgttc gcacttatga 420

cgatctgagt agaacgagct gatacaaaaa cggacaacat atcttgtgca ctcggattga 480

gaagtgtgcg tgaatnttta agctcaactg cttgaaac 518

<210> 36773
<211> 151
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36773

ttccactgta acggaggtgc gaagtttgta atgattgtca tgtggtgatc acacgcattt 60

anatgtctag ttatacatgt ttggaagatt ctacataaga tgataaataa taatatttgt 120

tagttttgta tttatatgag tcataataat t 151

<210> 36774
<211> 213
<212> DNA
<213> Glycine max

<400> 36774

attctgaatg cttatgtgat actggatgaa ttgcttatac ttttaacact tataacttgt 60

tatttattat tttataatta ttatttatag gttctagatc aattgaagaa tcaacgtcta 120

ctgatgagat tgaatccgat gatgaaggta tattcacttt tagtgggtct aaattttctt 180

aatatcatta tacatatcta attttcaaat ttt 213

<210> 36775
<211> 449
<212> DNA

<213> Glycine max

<400> 36775

agaagaaatc acatgtgtgt catcatcaaa tatgtggaga atgtgaatgt atgcatacat 60

gattgtgatg atgccaaaga agaaccaaac aaggctgctt caaatgataa gcatttgctt 120

caagaataat tcaagattgc ttcaacaaac aaagccttat ttcaagattc actaaagacc 180

aagccttgcc ttataacaaa gtgctttcaa gacatggaag gctctggtaa tcgattacca 240

ggaagtgtaa tcgattacca caagacaggg ttgagaaata gctgttgaaa aaggttttga 300

atttgaattt tcaacatgta atccattacc atatgtctgt aatcgattac cagcaacgga 360

actttggaaa ttcaaatcaa aagtataacc cttcaattat actgtgtatc gatacacaac 420

attgaatcga taccagtgga agtttcaaa 449

<210> 36776
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36776

acacataact cggntgtttg atattggata ttacacttgt ctatatgact canacaacaa 60

agacactggg agtagagaat tacataccct gcagaacagc aagaatatta ataattacac 120

tagccactgt gaaaatttca tggcaactaa tttagtaact acttaaagca gaaaagcaag 180

aatattaata atcttacctc aatgcccccc ccaagacctt caaatacatt tttcagattt 240

ctagatgcat cccagacttg aacaattcca tggaagcacc ctgatgcaag aaactgtcca 300

tcataattaa aatctanact tgatacaaaa tctttatgac ctacacaaaa tcaatgacaa 360

actcacgatg gaaattcaat caattgaaag taacatgaca ttaccaatca tgatgntgaa 420

cctatctatt agaaaataca catccagtat agcta 455

<210> 36777
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36777

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atgcctcagc tactatattg aataaaaatg gagctagagg gtccccttgt ctaagacccc 120

tttgaggctt gaactccttt gtggggctac cgttgactaa aactganatt gaggctgatt 180

tcagacaccc ttccatccag ctgatccatt taggacaaaa tcctgttctt ttcagcatat 240

accagaaaca aattcatgat accgagtcat aagccctttc ataatcaact ttgaatatga 300

ggcagggtta tggctcctct tagcttcatc aatg 334

<210> 36778
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36778

catactcaca ttngagtcac gctgaggcgg ggaaataccc gagtggttac ccgtataaac 60

attcttcttg ctatctgtaa gacgaaaagc ctgatagcat gcgaagactg acatcgtctt 120

ctgcgccctt cgtcaatcgc ggccgacaag cccattgaca cgcggagatt tacgtcatct 180

tcggcgctca caagatctgt catactgaca ttngagtcac gctgacgggc ggagataccc 240

gagtgggtat ccgtataaac attctttttt gctgcttgaa gacgaaagcc tgaagcatgc 300

gaaac 305

<210> 36779
<211> 279
<212> DNA
<213> Glycine max

<400> 36779

cactacaagc cttaagtgaa caaccatgat atcaccatat ccttaaggaa ttttggagct 60

ttgaaattgt tttgggaata agtgaggggg tttttgtttc attgaataac atgtattgtt 120

ggccatgctt catgatatat tttgagccat acttgatgta cattgcatat tggtgaaatg 180

ttggacatgc tgaatatgat gttgttactc aaaagctaag ccatacttga tgttcattgc 240

atattggata aatgttggac atgctgaata tgatgttgt 279

<210> 36780
<211> 220

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36780

cattccgagc tngccttact ggtgtgcttg ttgacttgat ataccagcca cctcataata 60

ttgatctttt tatatgaaac atggatagta tccatttaat tttccttgat tttaagacta 120

cgatagactc atgttcatat ataatatgaa acataaaagc tccaatggaa aacagtcacg 180

ttcttgatta gtatattaaa caatgaagtc tatcataatg 220

<210> 36781
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36781

tgaagcccaa tttggattac actngttttt atcgtccact caggaatgac ctttatggtg 60

ttatggttca tgggaacccc tcgatcacaa tttaaaaaat taagacaagt atagcaatag 120

aacatacctt gttctgtatt ttcatgttga ttattcctac caaacagtat gacaaaccta 180

tggtgtccca tatgagtgcc taagtttgta ttgaaactaa taaataagaa caaacttacc 240

taatgagtcc ctatgtacac aaatcatgaa gatgctgggt gcacgagtga ttttcaatag 300

agtgttgcac cacccataac atttattaca tcaccta 337

<210> 36782
<211> 125
<212> DNA
<213> Glycine max

<400> 36782

atggaatact tacttgttgg tgatgaataa aagccgccga tacggaatca aaaaatgcaa 60

aacatagtga tcctatggtt gcaaactcct caatcccgtg gctattgctt ttgaatgtgg 120

ggggg 125

<210> 36783
<211> 306
<212> DNA
<213> Glycine max

<400> 36783

gggagcacga aattgaagga ggataatggg agagaagttg aactttgagc tgtgtctcac 60

aaaactctca ttcatcaaag ttacaacaag tgttacacat gtttctatat atagactagg 120

tagctgtctt gagaagcttt cttgagaata cttccttgtg aagcttcttt gagataactt 180

ccttgagaag ctaaagttta tctacacaca cccctctcat aactaagctc acctccttga 240

gaagcttcct taaataagat ccctatcgac gctaaagctt agttacccac acctctctaa 300

tatcta 306

<210> 36784
<211> 224
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36784

cctctatgac ctagaagacg agggacctat tcaggtgagg gtcagcggtc atctgatcaa 60

atntgatgaa gatactttga acactnttct gaagacccca gtgattctgg aagaggggga 120

aaatctttgt gcttattccc ggtttgcact cctgaggctt gatcctcacg agttggctgc 180

taatctttgc atcccaggga ggggatatta gctaaatgtt gatg 224

<210> 36785
<211> 99
<212> DNA
<213> Glycine max

<400> 36785

tatgactcaa acaacaggga cacttagagt agagaattac ataccctgca gaacagcaag 60

aatattaata attacactag ccactgtgaa tatttcatg 99

<210> 36786
<211> 242
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36786

attcctgata attcggattc tgagactgtc ctcaaactat ctacaaattc tctgcatggg 60

acctgagagg ttgtctaata naagttgctg ctctgaacta cctttcatat tgacaggcag 120

aaagaattcc aatatgtaat catcatcatt agtataagta ctccttagcc taattgcaac 180

tgcagcattc aaattatact ttgcgtgcat gatggacaag tgggtattca ctaatatcat 240

at 242

<210> 36787
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36787

ctggatgcat tggttaacta ggtaacccag ctgttcttga accanaaatc tgtacctgtc 60

gcaagggtct gtagtttgtg ctcctctgct gaccaccata cagacctttg cccttccatg 120

caacaacctg gagcaattga gcagcccgaa gcttatgctg caaatattta caatagacct 180

cctcaacctc agcagcaaaa tcaaccacag cagaacaatt atgacctctc cagcaacaga 240

tacaaccctg gatggaggaa tcaccctaat ctcagatggt ctagccctca gcaacaacaa 300

tagcagcctg ctcctttcta tccaaatgtt gttggcccaa gcagaccgta cattcctcca 360

ccantccaac aacagc 376

<210> 36788
<211> 313
<212> DNA
<213> Glycine max

<400> 36788

ataagctaaa cgcttgtcaa aggtcggaga gaagtttgtc cgaccaattg agcaagatgg 60

aagaaaacat gggggccatc attgaccaat acaaggaaaa actaagtcta gcagcaaccc 120

atgaacaaaa gctagaaaat gagtatgcaa aggtatcggt cctgtaagcc gaaagggaag 180

cgagagaaag agtgattgat tcattacaca aagaagcaat aatgtggatg gataggttcg 240

ccttcacctt aaatgggagt caagagcttc caagactgct agccgaagct aaagcaatgg 300

cagacgtgta ctc 313

<210> 36789

<211> 176
<212> DNA
<213> Glycine max

<400> 36789

cttgactcaa taattctagt gctatgagta ggacagtaaa aattatactc ctgtaatcat 60

tcagcataac caatgagata tgcactaacg gtccttgggt caacatcttc tcatgcgatt 120

ataaacttaa cttccaagac cgcccacctc gcaaatgttc atacttgctc cccccct 176

<210> 36790
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36790

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ttctcttttt ttggatgaat tgtttctatt atctcatttg attaaataat ttagagaata 120

ttattattga ctataataaa ataactgaaa caataatcag aaatatcatg cgcttctata 180

taaacataaa actgactacc tactatttct actatttaag acaatctctg aatatgactt 240

aaaacctanc aaaagttatg aagtgtgact atgaattcta gattgatctt atcggattta 300

ttcaaat 307

<210> 36791
<211> 277
<212> DNA
<213> Glycine max

<400> 36791

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acataataat aaagtttagg acctcacaca ctctactcac gtttttagat ggagtacact 120

cgtgtttaat gctctcatac gcttatgaga atgtatccct cttgccttta ccactcgtgt 180

tactttaagt cctgatggac caatagacac acagatatta aataacgaag acatatgatg 240

accaacgatt gattggatac acttgactga tcggtat 277

<210> 36792
<211> 306

<212> DNA
<213> Glycine max

<400> 36792

cggaccgcta gacaaggggt gaagtctact tattacgtgt caggcgtcca aatggaagat 60

cgaactagca caatcagccc acaatcctgc ttgtagcggt tgctccctca tacgcagtca 120

tgcatatcaa aaccgttgtt agattccttc tggatagaga ttatcacaat gctgtcagga 180

gaattactct attttagctc tgtaataatc aagcacgaaa aaataatatt tgcttttacc 240

ttggatgtac cccttctttc ttcatttgag gccgtgcctc atacccactt gattcttact 300

atacat 306

<210> 36793
<211> 191
<212> DNA
<213> Glycine max

<400> 36793

actcggatgt ccgattcatg cgcatgagat atcgattctc ttgtatttga ataacacaag 60

ctctcgagag attggaatgg tcataactct tcacaccgat gtccgaatcg ggcgcataat 120

atgtctagac gctctaaatt gatcaacgga agctctcgat aaattataat gggcataact 180

tttcactcgg a 191

<210> 36794
<211> 508
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36794

gaggttgcct tttgagactg caccnattag tganannntc cggccggncg aaaatnnact 60

attatgaggt ggagatgtgc ttttattact aatattttac gcagagggta ttctgaataa 120

tagaaccata ctcctcatcc tcgatgactg gacccttgat ctacgaatta gtaagaggag 180

aaaatacatt tcatgactcc ctgtcaaatt cattgtgtgt aaaaatttag cttgtccntc 240

tctgtatata acactggata atatacattt cgtggaacta tgaagaaagg atttttaaat 300

gtcaattgaa tactatatat acgatggtta atattctact ttgtttcata cacttggtta 360

accaattaac caagtcttgg tagtaggaga attggacatc tcttaataat aatcttaaat 420

gaatctagtg agattggtca tttacttcgc gctgacgttt taatagatct cttatcaaag 480

ttaccatctt ctaggaaaaa ttaattcc 508

<210> 36795
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36795

ttctccncaa tttctataat agggggagaa gtgaagtata tttggtttca gccccttgg 60

cacttctctg tctttcgaat ctgcttagga aaattgtttc cgtgaagaaa atccaagccg 120

aggtgcttcc gtaacccttc cgagatgttt ccgtaagcaa atccgtgaag gtttgcgtcc 180

gttctttacc gttcttcatc cgctcttcgt tcttcaacgg gtaagttttc gaatccgaga 240

ctatcaattt atttcttgtt ttttaagctt tcatctttat ttcgttcatt ttttatatct 300

ttgtctacgt ctttaacgcg ctcttaccgt ttatttaagc cgtttctccc ctatacatga 360

ttaatgattt c 371

<210> 36796
<211> 319
<212> DNA
<213> Glycine max

<400> 36796

tgcaagtcat aaatgagggc ggacgaataa aatagcacaa tatcattcaa aaaaaatgta 60

caaagactcg tataacatta tccagataaa acattaaaag aacaaatgag tagaaatctt 120

ttctgcatag ccaaagaaaa tctcatagta tattcggaca tttaaccaaa cacgtagctg 180

tcaacccgca aagtagtaca aaataaaatc aaatagatat ttagctattt ctccgtaacc 240

catcaataca gccacaccaa aatctataga acaatgaaaa ataataagat catatgaatg 300

aaacatttaa agaaaaata 319

<210> 36797
<211> 199
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36797

accgagaagc tatataatag caccaaggtt ttagtttctg gagtttttcg ttgagagggg 60

agaataattn tatgttttgc aattccagtt cttactgttc atgcatacaa ttcacgtagc 120

aataaaattc gttttctgct tcaatntgca attttgtttt tgcttcaatc tacaatttca 180

ttttctactg attaatgga 199

<210> 36798
<211> 206
<212> DNA
<213> Glycine max

<400> 36798

tgatgacagc tttccatcat ctgctataca gtgattagat gaacgccacc atacttgctc 60

tgcactgttc ataatgggat ccatccagaa caggaggtct gttcactgtg cctccttctt 120

tctccatgtg catcagaacc aacctaccta gatctcactc agtgatttcg agcgaccgct 180

ctgataccaa gtgaaattct gatact 206

<210> 36799
<211> 128
<212> DNA
<213> Glycine max

<400> 36799

tctactcgtc tcttctgcta aatcaatata aatattaact tctacataaa atagtacaat 60

tattcaatgc tagtactata tcattatttg atatgtttct ttctttttca ctacaaatat 120

aatttaat 128

<210> 36800
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36800

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atggaatacc gaagctctga gcaaattcaa acgacaataa ctntntactc ggatgtctga 120

ttgagtcccg taatatatcg aaaagctcga atgtgaatgt agaagctctg agcaaattca 180

aacgacaata acttttttact cggatgtctg attgagtccc gtaatatatc gagacgctcg 240

aaatggaata ccgaagctct gagcaaattc anactacaat aacttttttac tcggatgtcc 300

gattgagtcc cgtaatatat tcgagacgct cgaaattgaa tgtcgaagct ctgagcaaat 360

tctaacgaca ataacttntt actcggatgt ctgattgagt cccgaatata 410

<210> 36801
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36801

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attgtctcaa agattcaaca ttcaatttcg agcgtctcca tatattacgg gactcattca 120

gacatccgag taaaaagtta ttgtagtttg aattatctta gagcttcaac attcaatntc 180

gagtgtctcg ttatatcacg agactcaatc agacatccga gtaaaaagta attgtcgatt 240

gaattggctc agagcttaca cattcaattg tgagcgtctc aatatattac gggcctcaat 300

cagacatctg agtaaaaagt tattgtcgtt tgaattggct cagagcttc 349

<210> 36802
<211> 251
<212> DNA
<213> Glycine max

<400> 36802

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caaatagagt gaaccttacc tctgctaagt taacaagttt ccatcgtatt caagcttatt 120

gtgtaaacac tctttgagtg attagaatac atattctatc aaacatttat tatttgtgaa 180

agccaagagt ggctttgcga aataaaatac ttaggtatta atctcagggg aaataacggt 240

agtgacaaaa g 251

<210> 36803
<211> 381
<212> DNA

<213> Glycine max

<400> 36803

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attcgacgtg ctggaacatt gcacaactac acgcttgaca cagtgcttgt acagagctca 120

tctccacccg cagcacaaaa caaattagtt ggaaaaatga agataaactg tgttaagcta 180

gacctataaa cgtacaagaa gatactgtca gtttgtttca ctaactaaat caaataacat 240

gtttttgtag cttatatata tcattaagaa accagtacga cagtacctga aggaagtgaa 300

ttgtctttta atcgagtcag aaaccagtat atatcattta agatatgtaa gtgagtggtg 360

tcttttcaga cgaatgaagc a 381

<210> 36804
<211> 191
<212> DNA
<213> Glycine max

<400> 36804

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gggtcggtca gatcatggat aactcgctcg tgaagttgca aaccatattt cgagaagatc 120

caacggttaa tgaaggctgg gcagcatttt taccgaggca gcttcatgta gctctctcta 180

gaagcttcat t 191

<210> 36805
<211> 251
<212> DNA
<213> Glycine max

<400> 36805

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cggcagtaga tacaatccag gttggaggaa tcatccaaat ctgagataga caagtcctcc 120

acaacaacat cagcctgtcc ctcctttcca aaatgctact ggtccaagca agccatatgt 180

tcctcctcca atgcaacaac aacagtagca gtcacaacat agacaacaag caactgaggc 240

tcctcctcaa c 251

<210> 36806

<211> 529
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36806

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gaaccctaac gagaggagtg cgtacgcaga ttctctngtt ttgtccgctc ggagtaaact 120

ggggagaagg atatgtttgt tactgtcccg actattctac tccacaccat agataacacc 180

tgtatacgat gtcccgacag tggctgtgag aggcgagatg cagaattaac ctaaacatgg 240

ttacatcttt gaagatgcgt gtagatggct tgacttctca ataacaagat ccatttgttt 300

gaagaatgat tattatttta taaatgtagc accactatat ctattatgtg gcgatgcacc 360

tattaacgat tgaggtggcc tgtatatgtg aaatttatat ccatgcatga tgtctatcac 420

atttggaaca aggcgctatg tgaaacaata agatattctt ggtctcggat aggaggaaca 480

ataatcgtat ttattattat tgtgcacacc tctggccatg ccaacgccg 529

<210> 36807
<211> 235
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36807

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cttagaggta atttagtttc atacaatcaa nacaggaacc agtgctcgac agatattatg 120

tttttggcag aatctgagct ttaaagtgtt acaaacaagt tataacatca ctataatttg 180

aaattaagtt aaagtntaat gtattaacct atggaacatc aaaagagagt atttt 235

<210> 36808
<211> 216
<212> DNA
<213> Glycine max

<400> 36808

ccttctttag tggacgtagt ggtggaagag acttccttac tccaccctac tcttcctcca 60

ccatgactta gggagttttt cttttcctat ctccttcttt gctgttatta cactggtctg 120

attctctttg atgatttaat tgtctttaat cttttaattg tgctacattg aggacaatgt 180

gttgtttaag tatgggggga gggggggggc tctctc 216

<210> 36809
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36809

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ggacaagatt tgtagaagcc cttcttcctc accgaatcct ctgcgtttga agacaacatt 120

ataacataag tgttngaaga caacattata acttcagctt ttctattgga attgcttgaa 180

aatccttgag aaattggtga cctatttaga gattgaacat ctgtatcaac accatcagct 240

tcaacttctg catttctatt ttaattgctt gaacaccttt tgaaggttgt gacctatnta 300

gatattgaac atcaacatca acatcaacag ctttaacttt ct 342

<210> 36810
<211> 256
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36810

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gtgaaaatcc acccctaaaa catggcttat agagcgttgg tcttatctat aatggtgagt 120

aaaaaatacg gctcaggttt taaccatgga cattgcagcg actttattca ttaatatttt 180

tagactttat gaaaaaaact tggcgttaca attggattaa aactccaaag aatttggcga 240

aactccccaa aatacc 256

<210> 36811
<211> 282
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36811

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cgcaatcgga tggccaaact aaagttgcta atcatattgt tgatcagtac ttaggtgctt 120

ttgtccatat aagaccatca gcttgngggt gtttcctatt atgggaagaa tggtcctaca 180

atacatccct ctattcagct acaagaatat ctccattcga aatcaccttc agcaggaagc 240

cacctaattt tcctcagtat atagtatgta cctctaaaat tg 282

<210> 36812
<211> 241
<212> DNA
<213> Glycine max

<400> 36812

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tcaacatgca ttggaatgga agaatgctcc agagcaaacc cacactaagg agtgacataa 120

ggacgatggt taaagaacat gtaatgcacc ttattaaatg tttctagtaa tctataacag 180

cttgtattga atgtttctta taaatatttt ctctttcgat acaaattttc taacttttgt 240

c 241

<210> 36813
<211> 392
<212> DNA
<213> Glycine max

<400> 36813

gcccaacgct gtgttcatac tctgccagaa cctattatgt taatttatga tctctatcag 60

acactatgct agatggcaca ccatgtaatc tgacaatctc actaatgcac agggaggtca 120

acttctctaa ggaaagccta atattgatgg ggataaagtg tgcgaatttg gtcaatcttt 180

caacaaacac ccaaatagaa tcaaaacctt tgtggtcctg ggtagtccta caacgaaatc 240

catggagata ctatcccact tccacttggg tatctctaaa ggttgtaact tacttgaagg 300

tttgtgatat tctatcttag ccttttggta gactagacac gcatacacaa acttgctacc 360

tctctcttat gttgggcccc aaaacattac ct 392

<210> 36814
<211> 324
<212> DNA
<213> Glycine max

<400> 36814

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gagttatggt actcaagtat gaaactaggc aatccgccag tgaagacatt gagatctaaa 120

gcaagatgag ttaaggcaag gcattccaga aacatattct tacatgcgaa tccaactacg 180

aattagttca gccaggtttt gttgatatta ggcatagagg ttaatgtaaa tataggaaaa 240

atataactat atggtgtggt ccacgtacgc tgtggtatgt aatgattata attgaattcc 300

ttgttgttta aaccaccata atga 324

<210> 36815
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36815

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gaggaggatg tggattctga ggtacacacc gacaattatc gagattatga tgatttttgg 120

attccaggtt tctttaaaga ggaatgtata actatcgata ccatagttga tattagacag 180

cttgacatgg aaaaaattac cgttgaagat gtaagcaagt tagattnttg tgactnggag 240

atagcttatc ttttctactg ttggtatgct taaattactg gctttctgtt aggaagagtc 300

atattcttag aaacacatgt agggaaacac tgcaacanna cattgtttgt tatgtgctgt 360

tatngagaga t 371

<210> 36816
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36816

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atggcggccg atcagaacca gcttcagagt atgactaagc gagagcatga gtccattaat 120

gaatatgccc aaagatggag agatctcgca gcccaagtcg taccgcccat gacggagagg 180

gagatgatca caattatggt agatacgtta cccatgttct actatgaaaa gctgataggc 240

tacatgccag ctaactttgc ggatctcgtc ttcgccggag aaaggattga atccggacta 300

cgaaaaggca agttcgaata tgcttccaat ggtggcccca acaacaacan aagagcccca 360

gtagtgggcg cgag 374

<210> 36817
<211> 190
<212> DNA
<213> Glycine max

<400> 36817

ttattcaacc actctccatc cttatatttc acatcaaaat tgtcaccaag tctgacagtg 60

tgcatcaaac gaagattccc aacctgtaaa gggagtgttc ccgacaatga attctcacca 120

agatcaagat acctcaactg tgagagaatt ccaagttcat aaaggagtcc cccatccaga 180

taattatcac 190

<210> 36818
<211> 499
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36818

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ctgtgtatgc atatggcgtg gctttatctt atctcggcta gacnacatac tnatggaggc 120

tgcgattgtt attatataaa ccttctctct tgatcttgaa tctatattta cttgatcttg 180

tcagtttgag ggcttctctg tgatataagt tgcaaactct tcttgtttaa gtatatgagc 240

gcattaaaga ccctgtctaa ctcaaggtaa cttcggaagt ccaatacaat cgatgcagtt 300

taagcccctg catctctggt catgcggcac cttatttatt tactctactt caaccactta 360

ttgccatgta atgacccttt atttcaaaat tggaacctaa aagctactgg actgccaata 420

aagtacccct cggataagta gaacctcata tgctatctaa ataggtaagc gagggccatt 480

gattacaatc gctttgtct 499

<210> 36819
<211> 198
<212> DNA

<213> Glycine max

<400> 36819

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ctctgcataa gaccgataat gctaaagagt ttatgagatt agtgggaaag cactctcaaa 120

tagcttataa gtctcttgct aggacattaa tgagtacatt aaccaccatg aagtttgatg 180

gttcatgtac tatgcatg 198

<210> 36820
<211> 333
<212> DNA
<213> Glycine max

<400> 36820

tacaacttca ggtgaagtgt gtgaggaaga tggaaccaca cggacatttt ggtctgaatc 60

ttctagagga caaggagaag gaataggaag aacttcctgg agagacaatg aatggtctac 120

ggagggtgaa aagaagggtg tgtcttcaaa gaaggttaca tctgctgaca tgtagtatcg 180

tctcatggtt ggagaataac atttgtaacc tttttgaaga cgagaataac ccaagactga 240

cctagcagag agtttgtcta taccaagaga caaatcattg acaaaacatg tacaaccata 300

cactttatga gagacatgat atagtggatc atg 333

<210> 36821
<211> 283
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36821

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gcgcggggtc aagagaccat tgggacgtca ggtggggtgc tattgcccaa aaccaagctt 120

gaccaatccc gacccaaccc gggcatagtc ggtcagtgag aacctgtgat gtacctaaac 180

aggcgagctc ctgacagtca acagataata ggaacaaaga ccacatagca aggatgcttg 240

tggtggcttg ccanctgtga aatttgtgtg atatgtggat tat 283

<210> 36822
<211> 246

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36822

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ctgtggaacc aagaggtggt gcaaaaggtt gtgtccttag aggtggaggt cgccaagtag 120

agggctactg ctcagacttt atgacgagtg gagtgcctta aggtggctaa tgccattgat 180

gcttttgttg aagccgtana agtgaaccac taactgtagt tgcgcactct gttagatggt 240

gatgac 246

<210> 36823
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36823

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gatccaaggg ttcatatact ctctttgctt ttttaatttt gatatgaata tccttcgata 120

tgtcccctga attcctacaa tcacaatcac taattgattt accttctgtg tcattctctt 180

tcagtgcatg ttgtggtcta gccttcgatc cactttcttt agagcttgct aatatcgagc 240

aaccaatatt ggctagacaa actagtttct catgacaaat atcctatcat ggaccatatt 300

acttgcataa 310

<210> 36824
<211> 181
<212> DNA
<213> Glycine max

<400> 36824

atctaatgtt gcattctttg attgctcgaa tacattgtgc tttttcatcg aaggtcatgc 60

caaccttaag tgcaccagtt ggaggttgaa cacggtcttg ttgctgaacg aaatggtggc 120

gatcaatgta ttgtggtaga tggtcgaggt tcaattccac tcgatgccta ggttgatgat 180

a 181

<210> 36825
<211> 178
<212> DNA
<213> Glycine max

<400> 36825

aatacattcc tcaccaaata aatgcattta aaaccattta ccaattagcc tatctgccca 60

agacacccaa tgccaatttt tatttgattt aggacggcca aggtattgct actcactaga 120

atattgaact tatctccaat gatgaaatat gttgacacaa ggaacccaga aaaaaggg 178

<210> 36826
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36826

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acggttgaga cctttgcgag attcctcacg gaaaacgtta cgaaaacgtt tcggaagcgc 120

ctcggcttag attttcttca cggaaacaat ntttccaagc aaattcgaaa gagagagaag 180

tgcctaaggg gctgggaccc tntcttctta tttcctcccc tatttatagc aaaatagggg 240

aggtggttgc cgcccagctc gcccaggcga gctcagctcg 280

<210> 36827
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36827

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gattctgcgt gaatttctaa ttatcataac atatgattca tggatatgat ttatgcattc 120

tttctttctt tacattgtaa gccactgacc aaaaagatat ctcgatgtat attgttttat 180

catttgcaaa gccctatgag ccaaacactt catattttgt tggaacacta acctatgata 240

aaagtttcct accttacctt agttaggaag acaaagagtg tntgttgggg aattctatca 300

tttgggggct aatgtgatta aatactctat ttttaaatgt 340

<210> 36828
<211> 515
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36828

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cacactatgt gggtggagcg ctttttttatt tttgtttntc tcnccaccga ccgcgcggga 120

gtgttgctag aaaaacacta caccacaaaa caacgtactt aacactcaca tctaacacag 180

aagattgtgg ctccattatt cctatcatca caatactggt atgtagaaaa taatctgtat 240

gtcaactaac tctatgatgc cattgtctcc acctaaagct catcttcact atcatattca 300

atggctatgg tcacatccaa agagaggcta gaactctctt cattcacagc gatctctttc 360

actttgattt cacacatggc gattatctca ggcttgggaa cagaaactat ttcaattgat 420

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tcgctacacg ctttgagaga gaatcccttg tccag 515

<210> 36829
<211> 178
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36829

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tgtgggctta cttcctgtgt ggagtaaagg cccaaatgag aaggtccgat ccatcttgtc 120

tcacttatat aagtggagag ggattatatt atgagagaga gagagagact tatttgtg 178

<210> 36830
<211> 230
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36830

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tgacagcaac ggaacatgaa atttgggtaa ttgaagttag ctaaaaagtt tccgtgtgtt 120

ataccaattt ttatttattt atttatgggt gcccctacct gtcataattt cttgattaac 180

tgcaagatac tacttcaagt cttaaccatt cggttaaatt taacattact 230

<210> 36831
<211> 192
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36831

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atttgtgttt ttcatgggga atatgtgaat gtatgtatac atgattttga tgatgtcaaa 120

agaagaatca aaccaggctc attngattca agattaatac aagattngtt tcacanataa 180

agccttgatt ca 192

<210> 36832
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36832

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aattcctccc ttggttgaat cccgacggtc ctccttggtt gtagcattgg aatccgtggc 120

gattctgaga tcccatgtag ttcacctccc tggaagaatc ttcttgggct atgcattgcc 180

ttggctcatc tgctccatcg tagatgtggc atccncctat tcgcatgatt gaagagtgag 240

aaggacttac tgcttgtagt tgttgaggga gcttgctgan ggtttctgtg agggcctcta 300

tctgtcgggc caatagcttg gtttggccca gtgttgcatc ttggactgtg a 351

<210> 36833
<211> 278
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36833

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ctcgctatat tacgggactc aatcagacat ccgagtaaaa agtttgttgt ttgaattggc 120

tgagagcctc aacattcaat ttcgagcgtc tcgatatatt aagggactca atcagacatc 180

cgagtaaaaa gttattgtcg tttgaatttg ctcagagcat cgacattgaa ttgcgagcgt 240

ctcgatatat tacnggactc aatcagacat ccgagtaa 278

<210> 36834
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36834

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taatacacta gctntaactc gctattcatt tgagctaatt gtcttcatca tgtttccttt 120

aggttgagat aacctaaacc ttttgatttc atattatttt atggttatgc aggatattat 180

acgactgcca atgctattta tctntcttca taagccattg gcccaatttc gatctgtttt 240

aaaagcccta agagcacaaa ggcttgcttc aatcggtggt ggatctcttt agaatataac 300

tgaacacatg cactgcctct ccaaaactta tttgcataca tcactacaga catatatttc 360

ac 362

<210> 36835
<211> 274
<212> DNA
<213> Glycine max

<400> 36835

acgtacctaa gcaggcgagc tcctggcagt caacagataa aaggaaaaca agaccacaga 60

gcaaggaggc ttgtggtggc tggccagctg tgaattttgt gtaatatgtg gattgtggcc 120

tctggtaatc gattaccaag ggtgggtaat cgattacaag gcttaaaatt gaagacaggg 180

ggctaagatg gtctctggta atcgattacc aaggggtgta atcgattacc aggcttgaaa 240

acgaggtcag gaagctaggg aagcctctgg taat 274

<210> 36836
<211> 195
<212> DNA
<213> Glycine max

<400> 36836

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aacaaggcag gcatgtttta ttggtttgga ttttgaatct ctcttggaca ttttatagag 120

aacttggtga tttgcttgct ataataactt acatcggtca ttgctgggtt ttttttttgta 180

attcccggtc acatt 195

<210> 36837
<211> 1349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36837

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attgganntg acanncacna ngnanccgnn nngncganng cgctannntn gaannntnan 120

nggcangtnc acccccctct tacgatcaat agtaggntcg nngaccngca attttnaaga 180

tanncantgc ntnnntcatg nacngangnn nnnacaacgc canaacngcc ccnannncgg 240

gcgancggan nagntangta tangtnatcn aagcgaatgn tacnnatctt tcntccccat 300

cngctngcna cgtcgtnncc cancnannan ctnanngnna nnannacncn tngnaacccc 360

atttcgaaac cctagangga ccnacntngc antaatanng antggggtng cctcaantgc 420

cccanctatt aananattaa aactanannt ncntccttta gtctcgccct tcagggtagg 480

agtagtnctt tcgaactant ncnngtaaag tncancnagn tcgaaccaag catagtacta 540

cctantntgt actcagacgn ttntcnatct nntgggtgnt cggcangtgn gcnantnngt 600

agcanntact cccgtangct cttcntaagt nncnacccta acntacagca aaatanngcc 660

cgcnagcann accancgacn atttcggggt anaccnatng cnggaacntc ntcggngcat 720

cgtttggatn ggagggatng cntagtcntc tgcaaaaaac cangcatncg cntccctanc 780

naccccancg ntantancac ctaatggggt cgatcaacgg tcagttttan ttttagctnc 840

ccagtactag tccantagtc tacccanttc gacgtgcagt tgaaactcct aatcatggta 900

ctcggggatc gtcaagtcaa tangcnncca anttannatc nanccnnant ngatnngtca 960

gtggtngaaa gctnncaaga nnacccgncg ccctcatcag tcnttcntnt taagcttgaa 1020

aagtagtatc tnnatcccca ntnatncgac ngtcntgnga nnggggtgnt aaacgaagcc 1080

gtnntcgngc canaaaactg anctcaaaat anttacnatn ttgtaaaacc ccatctactg 1140

ctgtnctctt ncaagctgca cngaccannc angcagttac tcattcattt gctttagttg 1200

ctanngagct tcgaannagt cngcacngac ntgggtctaa ntantcgtcn ctgacaccct 1260

ccaaaaanat gagtanctgc cantantgga ccgcanaccg tnnagantcn tnantcgttn 1320

acttataata ggggtnagng acnacgcgn 1349

<210> 36838
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36838

tcgggttgat gaggaaggat atattgtang ggtatttatg tacgggtgag gatgatcctc 60

aatagcatca tatggttgtg actcacaaaa ttggtgaaga atggtgcaga nagaagcccc 120

actacttatg ggtatcaaaa tgaaatattg catggtccaa tggttgagga cacagacgtt 180

ggtggattnt tgttttcaag gcctcaagtg tgaggccttg ctttgtttca aagaacaatg 240

agttggggct ttcaaaagta tccccttcat ctactgtgat tatttcacca tcgtagtgca 300

ttaaccattt gatagatgag gaagacatat tgtgntatag acaaagaata gagaaacaaa 360

tgtga 365

<210> 36839
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36839

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cgcggttatc ttagtgagag tgattctcct aaattcttga gtgattcaag aacaccctgg 120

ctgtatcaaa ggactttcac aacctttgtg tgttgccctc gctggaaaga gtgattcttt 180

ccttcctatc atctccaccc ttgttctttc aaacaacatt tccagataat cacctctgcc 240

caaattatct cgtgaccata actcccattt acacactcaa attaagtgat tcttgatcct 300

aaattgaatt tcaaacgaga tctttcacct cgttttggaa 340

<210> 36840
<211> 351
<212> DNA
<213> Glycine max

<400> 36840

gatgcacaca cctgtgagca agcgacgaag ccttttatct tctaacctgt gcgaacgaag 60

agcgggagag ctccacaaac acggcgagct accaagagac ctccatgtct tacaaggtga 120

cgacaagcta gctcgatctc gataactcag acatgacaat agctgaatta ctgtatcatc 180

aggcaaacac ttccaatcaa caacccccttg cctttgagtt gccaaatcca aaacctcatc 240

ttgaacttca gggagactag actgcaccac attccctatg ctatgtctcg ccagctttcg 300

tctcactcta tgatccatgt ctcaacaaaa tcacagcata cccacaccaa c 351

<210> 36841
<211> 173
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36841

tggtcctaac ttttaactcg taggtctgat tgaggcggat aatatatcga cacgctccat 60

attgaacaat ggaagctctt gagcaattca natggtcata aatagtcact cggaggtccg 120

attcaggcgc ataatttatc gagacgctcg aaattgaaca acggaagctc tca 173

<210> 36842
<211> 188
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36842

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agattgttgg aaggagtgaa cgacactgat agaggtaact gaatgacact atttgtatcg 120

tccagtctag cccttagtgt agaatctatc tcttgtcagt ggtgcatcta gtctattcta 180

tgtaacat 188

<210> 36843
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36843

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gtgatgtttg gcattattca atacaaaaca tttacaacca aagatataaa gatgtgagat 120

gtttggtttt ttgccattga acaattcata tggagctttc tttataatgg gtcctattaa 180

agccctattt aaatgtaaca tgcagtggta acagcttcaa ccctggcata ccctaatttc 240

gtccggggac ctttgcttga tg 262

<210> 36844
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36844

cgtatgaact tgtatacgna cctttggtaa aacgccggcg gagancnacg tagaatgcgg 60

gacttttttct aaaccagaat ctacaggggg ttttgtactc ttacccccttc accatgcaat 120

gataggaatt tctagatcat catctacgga acaaactagc catacttatt tgttcagtga 180

aaagggtaat tgttctatgt cctgcggcgc caacttccaa tggaagaaat cctctgccat 240

ttatgttgta ttcattcagc cgaaggccat tcatccaata ctttcttatt ctgggactta 300

tgcatattta agtggcgttg ccctcagaaa ctcctttatg atgtgtatag ctccc 355

<210> 36845
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36845

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tagaacccca cacaaggggg ggttttacac tttccactcc tgagacatag ggtagatgag 120

tgtcttggct ataacattta aacatgggat tgcccacgtc cctacattgg tctaaacaag 180

aagcccccac aagccttgtg atagcttggg accatagggc ttgtatggac acccagggca 240

tatggttgcc gattatattt ttggaaccct ttttcaaaaa agctttaagt ccccttttatc 300

caggcgagaa ccaatttatt ctacacccaa tgggactttt ggaattacac tttgaacatt 360

tata 364

<210> 36846
<211> 320
<212> DNA
<213> Glycine max

<400> 36846

ccaagtaaaa attaatggcg ggtgggattg gctcaaagat tcaacattca atttcgagcg 60

tctccatata ttacgggact cattcagaca tccgagtaaa aagttattgt agtttgaatt 120

agcttagagc ttcaacaatc aatttcgagt gtctcgttat atcacgagac tcaatcagac 180

atccgagtaa aaagttattg tcgtttgaat tggctcagag cttccacatt caatttcgag 240

cgtgtcgata tattacgggc gtcaatcaga catccgagta aaaagttatt gtcgtttgaa 300

ttcgctcaga gcttcaacat 320

<210> 36847
<211> 240
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36847

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tcttgaaata aatgggaaaa ttccagataa ttatttttgc aagatcctaa tntcacaatt 120

gaaagcaatg accattcaac aacaaaataa aatatacatt tcaataagtg aatagcaaaa 180

tgacaaaaat gaaaagttct attgtggcaa cttacaagct tgtaattgcg gcattgtagg 240

<210> 36848
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36848

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ctggaatnng gnatatttat tggggttatt ggtcaaccta ttacctcctt tgccangaag 120

tccaatggag aatggatcct cccttagaat tcaatccttc ctttgggaat tgaaccatga 180

gggccgatac ttaatctgtg tattatctag agatagggat cctatttgtt cctctttgtt 240

tctgttggat tgcccaatac ttcccgatag ggaaaaagat actccatttg tgctatattt 300

atggtatgnt tttatttgtg tggtgtctgg aaatggccta tttcattccc aatcccgttt 360

cttcaatctc tgggggattt gattgatgag aattgcttat ggggggcgta tttcctttcc 420

actgaaatgc tacaacttta ctgcatgttg agattgatct tc 462

<210> 36849
<211> 300
<212> DNA
<213> Glycine max

<400> 36849

tcatccaacc ttatatggtc gaatccttca caacagcagc agcaacaata acaaccttat 60

cttcaaaatg ttgttggtcc agcacacatt acgttcctcc actaatccac caacaacaac 120

agcaacagcc cccgaaacaa caaactatag atgctcctcc acaaccttcc cttgaagaac 180

ttgtgaggca aatgactatg acaaacatgc agcttcacaa cagaccatag ctgccattca 240

gagcttgact aaattagatg ggacaattgg ctacacactt aaatcaacag ctggaccaaa 300

<210> 36850
<211> 346
<212> DNA
<213> Glycine max

<400> 36850

tatcccttaa tggatggcgc ggggggtcat cttctttcct ttgccctccg ctgcatctcc 60

atggcggaaa attaccatta taggacccca ttgaagctca aagatccagc ctccatagaa 120

gccccacaag caagcctcca tcaagtggta atcacagcac aaaagcttca agtaagtgct 180

acttagacct gcattaattt ttttgcttta ccttctcttg cattgttgca cctccattgt 240

ttgtccatgt atctcctcac atgtcttgag ctcaatgttg ttaacatgat tgtctacaga 300

taccaccaag taaacttact atcgatgcta gacttgattt tttatg 346

<210> 36851
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36851

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gaagaagatg gggtggngat tattgtgttg ncgacacnaa gcaaggtctg agagacgtgt 120

gcaagtttcc tacaacccct cactaggtgg gccattaacg ttatcatatg ctgacgagtt 180

ccgacaatcc cgcgaatctc tatctgggcg gaatacgaga atgccacagc tttggccttg 240

gctaacaatc ggagaaattg tagagtccca ttcaaaggaa gagcaaaccg atccattcac 300

atggtggcct catggtgtaa agaatatatc gcgctttctc tacactctat tgctgcgtat 360

acttaggaat actcaaccga gattctacgc tagccgggca gggcaacacc ctactgtcnt 420

gagtactaag catgaatgct aactgttggt cttgtgccgt ataacggtga gacaacgttt 480

ttggacg 487

<210> 36852
<211> 490
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36852

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agagagatgg gttttttctt tttttacagc acgaaccctg gggcgaggtg gatactaaaa 120

aaaccacccc cctacgggga atggaatgaa aaaactatgt ancgattctt cacagggtac 180

cacgttcttg aaataaatgt ggaaaatatc cctaaaggaa atctcttgac gattcctaac 240

agtcccaatt gaatagctat gacgccttcc atctcaaaca aataacctct ttctctctca 300

ttatggaccc acctcgcgta cccgctcaca aatccaaatn tagacttcga gttaacccgc 360

caccactaca cgcaagccac tgtcgccagg caaatctatg cgaagaccta ccaccccttt 420

cgtaggttcc acacactcct ccccattatt atttggtatc ctctccatcc caatcttttc 480

tctctacccc 490

<210> 36853
<211> 187
<212> DNA
<213> Glycine max

<400> 36853

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cttgttatgc caacgatgcc atttcctata cccatgccgg gttcataact cgctcccaac 120

atcactaggg ccatcattac cggcgcatga gacagacaac gctgcccaaa gagggagtcc 180

agggatg 187

<210> 36854
<211> 307
<212> DNA
<213> Glycine max

<400> 36854

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atagaatcaa gaacaccttc tggttcaaga ataactttta tttcatgaat caagaatcaa 120

gatcatgatt cacgaatcta gagatgactt aatcatcatt agtatgaaca agtgttttca 180

aaaactgagc tgcacatgga ttttttctcat atcatgttta ccaaagagtg gttactctct 240

ggtaatcgat taccacattg ttgaaatcga ttagcagtgg caaaatgttt ttgaaaagtt 300

ttccact 307

<210> 36855
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36855

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aatttgaaga gatcatagga tgccctctan ggggaaggaa accatacctc ttctcatggt 120

tctatccctc gttagctaga atttccaaga tagtccaaat ctcgcgcgca ggaattatac 180

cacagggagc aagtcgaaaa tggggtggtt ggaataccga gaaaatattt ggaggcaaaa 240

gcaagaatct tggcaggtaa aggcgagcgg gtcctgttca tagatattct cgcactgctg 300

atctttgaag gggtcctctt tccgaatgtg gatgggttgg tggacctagc agcaatcgat 360

ggttttctcg cctatcat 378

<210> 36856
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36856

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actttgtcct aacactctta tatgtgctac tcatctttct atctataatt acataagctc 120

atatgtattt ttatctacgt tcaccattca tcattgatgt tcgtcactaa gctttttttt 180

aatttactgc tcaaatattt tttttaactt tagtctgcaa aaattattta tctaggatat 240

agtgatatcc caacctttgc cctgaagaat ctactttgaa aaccacctt 289

<210> 36857
<211> 162
<212> DNA
<213> Glycine max

<400> 36857

ctgctcatat agcacactgt gtctttttga atcgagcttt attcaacatt ccttggctct 60

tctttgaatc ttcaaaccat ggataatgat tccccctttt atcagtctga aaatcttaaa 120

taattctcgc cctaatcctt taccttctaa tgccttcacc tc 162

<210> 36858
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36858

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tgttacttgt gtcatcatgt aatgtttcct ctactactaa ttcgataaaa ccaaataaaa 120

aaaaactaan aaatgaaacc taatatcatc aacaacatac accaaaattt ctagtattag 180

tatcaccaaa atttttggct gctggttttg tgcacattcc ccacatttga tcttcgatga 240

tccaatctac aaatctcccc cccacccccc ataaaaatga ataaaataaa gaaaataaca 300

gaaactttac aaaccatttc agaaagaaaa aaagcgctta atttaaaatc caattgaaaa 360

attaaatat 369

<210> 36859
<211> 360
<212> DNA
<213> Glycine max

<400> 36859

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atatccttct ttccacaatt ggaccatatt tatagcttct gacgaatgtt cttgatgttt 120

gctaatgttt caattatgtt aggatttacg tagacctaat gtaacccaat tccaattgta 180

atactgaacc gatacttatg tcgtctccga agggaatagt gcaaggatga atattcaaat 240

taaaaccttt tggataaaaa tattaccgtg gattcatatg ttaaaatacc tagaactaac 300

actaatctta accacaaata aaatatatat tttgctagag attaatgtgc ctgaaattta 360

<210> 36860
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36860

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aggatactat gtcaatggaa ccacgaccaa agtaaagaaa attatagaag atgtagcagt 120

tagtgaacga gaccatgatt gcaaccgcac ctcgccaaag ggcattcaca aagaagacat 180

tgaagatgaa tccttcaaac aacaaacaca aatgaaatct atgatggagg ctatgatgga 240

gaatgtaacc aaaagcatat tataaaaatg taatcattga tattgccaaa gaaatcgatt 300

ctctcatgtg aagagtgtgg aggtaaccac cataccttct actatatgaa gaatagtacc 360

ttagaagcca aattcatgag aaaatgcgct acataatt 398

<210> 36861
<211> 438
<212> DNA

<213> Glycine max

<400> 36861

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cggggaggcg gaatgtccat atcaccttct taatcgtaca catggtgcac tgcgccccca 120

tatgcacaag taataagaga taattctccg ggctctcgtg tccgctaaat gcattcatat 180

catgcaccac ataagcatct cttcataaca tcataatgga catatcctgc atttgtccgc 240

tatcatattc cagcctcaca ttgtgcatga gtcatggcat catcatgcat atgcgttcaa 300

caaacttttt gatctgcaac attgcatacc attagttttc atggtggctc atccttgcgt 360

tttcctctac agaacactaa caaatgaggg ggaagcgtga aacttccact acattcttag 420

ttcatgtgta ggcaccac 438

<210> 36862
<211> 379
<212> DNA
<213> Glycine max

<400> 36862

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agaatatcca agccgaggcg cttctctaac gtttccgtaa cgtttccgtg agtaattacg 120

cgaagattct cggccattct tcaagattca tcgttcgttc ttcgttttct tcagtcttca 180

acgggtaagt acctcaaacc aagcttttca attcatttta tgtacccgtg gtggtccaca 240

tttcgtttca tgtatttcta ttctcttttt catttacttt ttataccccc ttttgacgtg 300

cttaagccaa ttatttaagt catttctcgc tgactctatg aataaaataa atttccaccg 360

atcgtttgaa ttgtatcat 379

<210> 36863
<211> 411
<212> DNA
<213> Glycine max

<400> 36863

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acctggagat atgtcgcggt ggtcaagaga ccttgcggac gtcaggtggg gtgctattgc 120

ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcagtcag tgagaacctg 180

tgatgtacct aaacaggcga gctcctagca gtcaacagat aataggaaca aagaccacta 240

agcaaggagg cttgtggtgg ctggccagct gtgaactttg attgatatgt gggttatgac 300

ctctggtaat cgaataccaa gggtgggtaa tcaattacaa ggcttataaa tgaagacagg 360

agactaagat ggtctctggt aatcgattac cacagggtgt aatcgattac c 411

<210> 36864
<211> 314
<212> DNA
<213> Glycine max

<400> 36864

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tttgaatttg ctgagagctc caacattcaa ttttgagcgt ctcgatgtat tactggactt 120

aatcagacat ccgagttaat agttattgct gtttgaattt gctgagagct tcagcattca 180

atttcgagcg tctcgatatt ttacgggact caatcaaaca tccgagctta aagttattgt 240

tgttggaatt tgctgagagc ttcaacattc aatttcgagc gtctcgatat tttacgggac 300

tcaatcatac atcc 314

<210> 36865
<211> 258
<212> DNA
<213> Glycine max

<400> 36865

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tacttcactc cacagaagcc gcaaacctac ctgtcaaagg gaccctaact tctatggcga 120

gcatggtgtc tatgccctat gatagtcggt gaagatgtca tgatgagaca catacatctg 180

cctaaatata gggacctatg accggcatta cgaccataca gatgctggat accctctccc 240

aaatggtatc gggcatac 258

<210> 36866
<211> 413
<212> DNA
<213> Glycine max

<400> 36866

cgccaaacct agaaatatag acgatgtcat gtcatgtaat ttaagacatt aaattctcct 60

gtgagcggcg gagaagctat aaaattaaca agcactctaa agaaatatcc ttaaacaaca 120

ctgaagatta tggatgattc tgattaggca aagattatag atggttctga tgccatcaag 180

ttgatagggg ttatcataat ctattcagtt tatgaaatat tgaagcacat acaaattgta 240

tgacctattt tttttcatta tttagctagg tttgtctctt atcattaatt aactatggac 300

aatctgatta tatctgattg cggtgtcaca aatatgggcc aagaaatcat cggtgaatct 360

tctcaccacc tgtgttgaat tgtataattg tgaacactgg attactatac tag 413

<210> 36867
<211> 385
<212> DNA
<213> Glycine max

<400> 36867

acaatgcacg cataaaccca ccatcccctg ttgcccacct ccaactgagc tcacgtactc 60

ccacgtagcc catatcctcg tttctctcaa caccgggtcc ccatcaatcc tcccaagctt 120

ccacaacatc caagaaaaac aacattcaaa cagcacaagc tatcacagcc aagcaaaaca 180

gagtaaaggc agataactct gctcaacaca tcaaccaaaa tcacagcttt tctcacttaa 240

agaccacagt aacaattcct tcgatccaat tcgttaaccg ttggatcgac tccaaaatgt 300

tactggaagt ctatagtgca taagcctaca ttgtaaccgt tgggatctac tagaaaacat 360

ccagaactca ttctgtacta ctctt 385

<210> 36868
<211> 537
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36868

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cncngtatat aagagaggat agaggannct attgcanttg gcacaaacct acacacanng 120

cccgaggagg aattgtctaa aacactcgcg gcacctcact caggatcgag aaggacgcat 180

ataccccttg cgtgtgacct gccaattcct attacatcca cagtttgcta cacacaccgc 240

gtcaatggtc attaactgat cgcaataacg caatctctct tccttcaccc accaccccac 300

ttaatccact aaagggtgcg tccctatcat caactctcaa tagtctcgtc tacgcgtact 360

gttcaattga cacacactca ccttgtactc aaaccaaaat caccacccat gcaatggatt 420

ttgcaccgag aaaacccgta caatcacccc aattcagagg ctatgctgac tggctccata 480

tctctgataa ttgaagtgac catacccccgc caagttcaca ccctcatttc ttgaaag 537

<210> 36869
<211> 336
<212> DNA
<213> Glycine max

<400> 36869

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cattcaatga ctgaagaaag actcttaaac tttgaatacc tatcacatat ttggccagag 120

gaacaccata tgcaagcgta attaagaggc cacctcgtaa ttacatttga taacgtatta 180

ttagagttgt ctgagaggca catggaagtc aagtcaatct tgccatgatg agatcaatat 240

cacttggtga cagaggactt acctctaccc caaacaaaag tcactactct taagtctatc 300

caggggtgaa gaaacgaaga acctctcttt ttacag 336

<210> 36870
<211> 153
<212> DNA
<213> Glycine max

<400> 36870

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tacatgagac acaatcatgg gagcaatttg ttgcatctgt gagaatgaat ttgttattct 120

ttctggaagc tggatgcatt tttggtcttg ggg 153

<210> 36871
<211> 188
<212> DNA
<213> Glycine max

<400> 36871

ggaagatcat taatccatcg ctgatccatt cataatgtac tacaaaaatc taatccatac 60

agaactatat tttataaaaa acaagggccc aactccatcc attaaatata atcctcctaa 120

aacgaaaagg aatatctata cacattaata cacccaaaca ccataaaatc ctatattcgc 180

ctcataaa 188

<210> 36872
<211> 504
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36872

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ctaaatgatg tgagaggtac agatctattt ttatgcccta caatagagtc gccaggacgt 120

gtgcgtgtta tgtgacatac aacgacctat ccgcatactg cttgtaattc atcctttata 180

tgagacgcat agaactgacc ttcttcacac atatggtgtc aatacacatt gatgaaatct 240

aatgatggcc attatcttct atccgcacct tatatgagag agagctctga ttggtaaaaa 300

cagctcttaa ctcatttgat atgtaaatac cagctgatat agtgaactgc ccatgatacc 360

atatctgtat ccgtttatgt taggtaaata tctattcctc acaagacatc attgaggcat 420

acttgttgct ggctgctgaa tcacttaggc gctgtacaaa ggacccataa aatccgaatt 480

tttggtgttt taaccataag ctct 504

<210> 36873
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36873

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ttgagcggcg tgtctctcca ccttcgcgcg cattctttga aagattcgtg ccccttttg 120

cacatgttct gtagatgcat cctttccgga gccatatcat aattgtactg atactgccta 180

acaaaagcaa ccattatgtc cttccaagaa tgaactcggg aatgttccaa gttagtgtac 240

cangtaacag ctaccccgga aagacattct tggaaaaatt gatcagcagt gcctcatctt 300

ttgctatgcc cc 312

<210> 36874
<211> 363
<212> DNA
<213> Glycine max

<400> 36874

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aaaggacttt cacaaccttt gtgtgttgcc ctcactggaa agagtgatac tttccttcct 120

ttcatgatca cccttgttct ttcaaaccac aattccagaa aatccacctc tgcccagaat 180

tatctcgtgg ccataactcc cattttacgc actcaaaata agtgattctt gaacctaaat 240

tgaatttcaa aacgagacct ttcacctcgg ttcggaatca cctcatttgg aaccctgtac 300

cttcattatt gccatttcta tattcttggc cagccaccac ttaacctatc gtttaccatc 360

cca 363

<210> 36875
<211> 368
<212> DNA
<213> Glycine max

<400> 36875

ttcttatcca aggctcatct aggaggagaa gctccttctt cctatgctta ttccctagtg 60

gatggcgcgt cctgtcacct attctccttt gccttccgct gcatctccat gggggaaaat 120

caccattaat ggacctcata gaagctcaaa gatccagcct ccatagaagc cccacaatca 180

agcttccatc acaaagtcct gtgatcaatg tgggaaatcc cagggccccg ttggacttat 240

ccagatccaa aaggtgcctg gtcagtgcca tacctgcaaa tagataaatg gcatcaccaa 300

acaactgagc cacgcgaatg ctcatccagg tcaagacggc gtacaccaac tgacactttt 360

acaggggg 368

<210> 36876
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36876

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tntgttgctc gttattgata tggcctcatt aaacatcttt taagtctgat gaagaagtat 120

gtaagtctga tgggcccctt agtatgctga aatatcttcc tttgctccag acttgcaatc 180

atagcctcat agataaacac tttagtactc catatgcttc ctccattctt ctaagtttga 240

attcatgcat gacattaggc tgtgcaacat cgatcatttg ttcatcaact ttaaacacta 300

gctatggata agaacatttt gcactaggat ctgtttcaac aatatcatct tcttggtctc 360

taaagtatgc tncaataaca tattg 385

<210> 36877
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36877

ccctagggaa tgaggggaat ctatatggct gagtgtaact gaaattgttg gcaaccaaaa 60

gtcaccccca acagccaaca agtcagccac catttggtct cccaaaaggc tgatgcctat 120

gttgccaatt gtgcccttat tacaacttga actaaagccc ttttagttga ttaacccana 180

acatattttt ggtcagccaa ctttacaagg attgggccat tatttagaca aactaaacac 240

tctaaaattg aaataaagtg gtgtcattta gtcctccatt tgggccatga tacaactcac 300

aaccttggac ttttctcctt gaaacttggg cttgtattca aatagtatgg acagcac 357

<210> 36878
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36878

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tcttgcttcc aaagctgtgt caaaatattg ccttattttg ttgagttgtt gtgtggaagc 120

atctactttc ttccttcact gttgttttgt actcctttct tccttcacaa ctttagtagc 180

ttctattgct gattgcttag attccctaac actgttgagc ttctttctca gttcctgaag 240

tctcattttg gccttattgt tttggattcc ctaagtcatt atagttaatc ttgtttgaaa 300

accaagtaac ttctcttacc catttgtgct actatgatta tgtttaaaaa atatagtcat 360

tcattgctcc tatgtattag acacttagtt tcaatttt 398

<210> 36879
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36879

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ttaatctgac tggacctggg ggattattaa gataatgtcc attgggtttg tgttaaaaat 120

ttaatgatag gctaacatac ccacgtctga tcaccgataa acctggtgtc atcttttatg 180

tcttgttgcg tttttaaact tatttacagc tggacttcaa cccattgatg tataacttta 240

aagtttctcc ataattttca tagaacaccc tctcttatgc taaagacaat attgtctctc 300

cctcttccca gcctatgcac tcttctttcc tatgaatgtt atatccttag gctccttggg 360

acg 363

<210> 36880
<211> 251
<212> DNA
<213> Glycine max

<400> 36880

accctgctgg actgcattct gtcgggaaat ttccaccacc cactatatct ttagtcagcc 60

aataacatac tttctccttt cccaccaccg agatatccac ataggccatc cctagatcta 120

ccacaaagtc tgtttaccgc acttcctatg acgaacacca cctgtatcac aaacccaaaa 180

caccaaccct tatgtgcaat ttgcagcgag aaagcctgta gaattaaccc caattccagt 240

gtctatgctg a 251

<210> 36881
<211> 193
<212> DNA
<213> Glycine max

<400> 36881

ttactatatg tacccacccg ccacaagaaa cacaatagtc acaagctatg cgaggctttt 60

tataacaata taggcatatc tacatgctaa caacttagag accaatactc caaaatatag 120

gccactataa acataatctt atgactatca gcgcaaagct ggaggaccca agagaagaat 180

gtagagggtc tac 193

<210> 36882
<211> 523
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36882

cgcgtccggg ngnggggagg atgttcattc cttgtatnac ccccccnntt gatgnancna 60

ncgangccnc ncnngcncan cagcnaagga ggcgaggaga antttttta attatnccgc 120

caccaccnaa ccgaggggg tttttatttg atggcagacg ctccacttct ggtgtggccg 180

gctggatagc ggtagataga gatggtctct cagcctgtac ctcataaaag acagacacga 240

ttatgtgcac ttcctaacac atggctactt ctatctgacc gcataaaatc aatctcacga 300

ggcaatacat caccacacat gtaatcaata tgatatgcat attcactctc cgcatcaaat 360

ccagacatat gatcaagtac agatgcgcat tcaatgcatg aagagtgaca gacatgccaa 420

ttagactgaa gattagtctt gtgttcatca accacatggt ccattatttc cacacgaaat 480

actagaagaa tctccgtggg tgtccttacc acccgatatt aan 523

<210> 36883
<211> 440
<212> DNA
<213> Glycine max

<400> 36883

agaggatgct tcaatgacga aagagaagga gattgtttat cacgaaattg aaggaataaa 60

agagggagag atgtggaact ttgaagtgcg tctcataaga ctttcattca tcaaagttac 120

aacaagtgtt acacatgcat ctatttatag actaggtagc ttccttgaga agctctcttg 180

agaaaacttc ctttagaagc ttccttaaga aaactttctt gagaagctag agcttagcta 240

aacacaccca tctaaaaact aagctcacct ccttgagaag cttccttgag aagctagagc 300

ttagctacac acacccctct aataactaaa ctcacctcct tgagaagaga agctagagct 360

tacctacaca cccctataat agctaagcgc acacccatga caaaatacat gacaatacat 420

aaaaacatgt ccctactact 440

<210> 36884
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36884

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gttattggag ttaattacag gccataatgg tgcaatacca ttgtataaaa ggagatcata 120

ttcatgaata aagcagagaa aaccattttc cagtaatagt ttagcgtaga tatccttctc 180

ttacctctcg ctcatatcaa tcttggaatg gtataattaa gatcagttat gcgccggctg 240

tgcggtgcat ctcccattga taaattaagt ttcttctcca gggactcccc ccacaaaaat 300

atagaacaaa aaacaacata cgacattgcc aataaagtga gtaaaatttg tgcacgccaa 360

gcattccaca gccacagtga cgacgccata tatattccga gtgaaacctg atattctaat 420

cgtatcgtgc ttac 434

<210> 36885
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36885

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agccttttt ttctcagcac acgaccgggg gctgttttta gatagccctc tcctctagtg 120

tagaaaatta tcgtctccga ctccatcatg atgtgagatt aacctgcatt actctactat 180

ccaactgcgt aagtacgttt gctagttatg tgacaccatc ataactcgta ttatgtacgc 240

ttgcttgagt agccaacttg atgcgaacag atctattttt catcatactg tctgattagt 300

cgatacttgt gcatgccttt cttttcaaat aaaattcata tgctaatgga aagctctctc 360

tccgatgatt acctctgatt tgaattaagt catggcttca cgtaaatatt atttctattg 420

ttgatgtatg tctggaatac cttattacca gtatctgatg agtatattgt atgtntctc 479

<210> 36886
<211> 135
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36886

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aagaaaaccg gaaaaaaagg agaggaaaag gaaatgaaag gaagaaggca aaaagcagga 120

aaaaagaaag aaaaa 135

<210> 36887
<211> 176
<212> DNA
<213> Glycine max

<400> 36887

gtgcttccct ttaccctgac ggtaagattt taacaccggg gaaaccagcc ctgacagttg 60

attaaaaagc agtattatct tctgcaaaca ccccgaaata tcccataagc agaacgtaat 120

ttttcctaca aatatccaat ttactagcac taaaagcttc tagaaagtct gatcgg 176

<210> 36888
<211> 229
<212> DNA
<213> Glycine max

<400> 36888

caccaaggag ttaaaaagaa tagatcaccc aagaaaaagc ccaaaaaaca gccgccggaa 60

aaaacccacc catgcgcggc ccaaaccaag tttatcaagc caaaagggca aaaaaggcga 120

aaaaaggaaa aatatgtcac cgaacaaccc gccagcacca aaaggaaggc actcacaaaa 180

gcacaattta gctcggccaa ctgatgcgaa caacagcaga aaacacacc 229

<210> 36889
<211> 345
<212> DNA
<213> Glycine max

<400> 36889

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tatgcaattt cacatctgac agtgaaggaa ttattgatcc ctatgaccag ataatgagac 120

tacaatttca tctcagctct ggcaccgcaa caggttgttg atcaaatcct tcaaatacca 180

ttgacaaatg agtttgagga tagaaggatc tatagatata ctaaagatgg ttgctacaat 240

gtcaagagtg gatatagact ctttgtgaat tattttaagg gcattaatta taatgttttt 300

gattgtcgac gtctcatact tgtactggaa tatccagatg aatca 345

<210> 36890
<211> 384
<212> DNA
<213> Glycine max

<400> 36890

actatcgctc cagtgctagt gtttcctatc ccgagaaaac cctttgaggt gtattgtgat 60

ggatcaaaga tgggtttagg aggagtattg atgcaaaatg gccaagtagt ggcctatgct 120

tctagacaac tcaagactca tgagaggaat tatcccaccc atgatctgga gttggctgct 180

gtagtttttt ccctttagat gtggaggcat tacctgtttg gctctaagtt tgaggtgttt 240

agtgatcata agatccttaa gtactcgttt agtctgaaaa agttgaacat gcatcaaagg 300

agatggttaa agtttcttaa agattatgat tttgagctta gctaccatct caacaaagcc 360

aatgtagtgg ctgacgcctt gagt 384

<210> 36891
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36891

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cgtacatgtt ctctcaacaa tgcttcattt cagaacttaa ttcaggctaa cattagttcc 120

ctgtgttcga tactcggatt catccgtttt aatttttaaa tacttgacga tccagtgcgc 180

tttccggcaa accgaatttc ccttgaatat atgtgaacga agaaaaagtg gaacaaaaag 240

taactgtagg ggaaatccaa caactactgt aggagacatg tttntctctt ttcatttctt 300

tcattatttt ttttctttct tcctctctta ttgtttctct ttcatcttga cttatttctt 360

gcacctcttt tttaccctct ttcttttctc tc 392

<210> 36892
<211> 293
<212> DNA
<213> Glycine max

<400> 36892

ggggggggtt tgaattaaga tatccccaac tgtttcccct aattaaaaat ctattccact 60

ttttactcaa gttatgaatc cccttaatga caatcttctt aaatattaat tcgagcaaag 120

caacttgatt atgaatataa agcaataata tataaaggag attaagggaa gagaaaatgc 180

aaactcagtt ttatactggt tcggccacac ccttgtgcct acgttcagtc cccaagcaat 240

ccgcttgaga gttccactat cttggtaatt ccttttacaa ggtcttaaca cac 293

<210> 36893
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36893

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gaaacgtttc ggaagcgcct cggcttagat tttcttcacg gaaacaattt ttccaagcaa 120

attcgaaaga gagagaagtg cctaaggggc tgaacccctt ccttcttgcc ttcctccccc 180

atttatagca aaatagggga ggtggttgcc gcccaggcga gctcagctcg cccaggcgag 240

catggttgct tcctccagaa gcaaccgcct tctggaggaa tattccggag ggcccatgtg 300

ggcctgggtg ctatttgcac cctcattgtt actaagtaca ccccatctgc tgtttgttgg 360

tgatgctttt ttcgtaaagt taccggaact tacg 394

<210> 36894
<211> 404
<212> DNA
<213> Glycine max

<400> 36894

tcttgacatc atcaaaatct tcgaggaggt acattctgcc cctttgtgat gatgacaacc 60

acctgtaggt tacgagcaac aacaaagaaa atatctattt gcatatagtt tactcccccc 120

tggttttaca atgatttctt atatgagaca atagaagatt tcatattttt catatataaa 180

aagttgtctc ataaaaaata aatcatctca tcttattaac ttatctttta tctttctctc 240

ccccttttgtc aacatataaa acaaatcatg aatagagagg agaaagatgt taccacttgt 300

tgtaatgtat gagaatcaag agataccaaa aggcgttata ccaatcattc aatattaatc 360

aggcagaaac aagtacaata tcacatctat cgaacacagt ctta 404

<210> 36895
<211> 377
<212> DNA
<213> Glycine max

<400> 36895

ctatatcctt atctactcac agggcgctat taactaaatt aatctccttg aaaataatat 60

tacggataaa aataacacaa cagatataat caaacatcaa atataattac taataatatg 120

tagatatata tcagggtgtt acactccctt ccttcctaat tataatatcc tttttagaaa 180

ttggttcgcc cctctttata tgattttatt ctaatcgcta gacactaatt attatttcta 240

catactctta ggtgattatt ctctctccaa acattaatga taatgcatta tgtggataca 300

gagataagaa aatgataatt ttgaataata ataaaataat tgacatatct aatgtttaaa 360

ataatgaatg aattatt 377

<210> 36896
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36896

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gcggagtgct attgcccaca accaatcttg accaatcctg actcatcccg ggcatagtca 120

gtcgttgaga acctgcgatg tacctaagca tgcacgctct tggctggcca catataagcg 180

gatacccgac cacaatgcat ggacgcttgt gtagtggctg gccaactagg agtctagtgt 240

gatatctgtg tgatggcctc tggaaatcca gtaccataga tggttaatcc attac 295

<210> 36897

<211> 263
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36897

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tgactatact ccaaaaaacg taaaaaccac aattcgctaa cgatctagaa taataagata 120

ggggaacaca gagtgcataa gaaggctgtt agtcaatcac ttggtgcaag ttataccagt 180

gaccatctgg gccaaatcag cctgcaacac caatagcagg aacgtggaag ctccgcgcag 240

tagcaggtgt acccccctagg ggc 263

<210> 36898
<211> 402
<212> DNA
<213> Glycine max

<400> 36898

ttctttcaca atcaatctgt ctagtgacta accattctat tataagttca cactcttgtt 60

ctttcgttgt tgaacatgca catttgctca aattcatgaa aggaaacaca catttcatca 120

taagcatcta ttcaatctaa aacaaggcat acaaccattt tcccaaaata aataaactac 180

ttcactgcca taccatcaaa agttaagtta aactgttcac gatgcttcaa gatgagcaaa 240

tatacaactc atgcacaaga ctaacaaaaa gtaactgatg tactaacatc aaagttatac 300

taataattca aaaagcacag gatataatcg acagaaattt acaagtcttg tgatcaggcc 360

taggtgtact atgtctgaac ctcctcctcg tcagtcaaat gc 402

<210> 36899
<211> 397
<212> DNA
<213> Glycine max

<400> 36899

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aaaggactaa aagagaaaac attaaaatat taaaggatgt cagctttcta agacggttat 120

tacatcagaa tcgtctaaga aagcagggtc tgacaaactt tctaagacta ttttgatgta 180

ataaccgcct tagaatgttt attcttctaa gacggttcta ttataaccga ctttgaatgt 240

cagtttttta agacggttat tatatcagaa ccgtcttaga gagtttgtat tttagatgat 300

ggtgtttttt ggaaccatca ttaattgata ttcactttta acaacattga ttataatgac 360

aattgaaaat cgtcgttaaa ggccaattta accgtcg 397

<210> 36900
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36900

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actttctatg cttgaaacaa aattgattgg tcttgaatgt ttgaaaagca tgtatgaaaa 120

tgatgaaact tttagagaaa tttttaaaaa ttgtgaaaaa ttttcagaaa atggtttctt 180

tagacatgaa ggctttcttt tcaaagaaaa caaattgtgt gtgcctaaat gttctactag 240

aaattttctt gtttgtgaag cacatgaagg aggtttaatg gggcattttg ggatccaaaa 300

gactctagaa acattacaag aacattttta ttggcctcat atganaaagg atgtccacaa 360

attttgtgaa cattgcattg tatgtaaaaa ggcaaagtct a 401

<210> 36901
<211> 264
<212> DNA
<213> Glycine max

<400> 36901

tgttggcagt gtgcagtcta attgctattt gaaaatcaag ttgcggggcg ttaaattatt 60

ccaagtaccg gtgtgcaagc actgaaggta ttcatgcata gaaataatta tatcatgacc 120

tttgatgctc acaacacatg atcaaacaat gcagactggg tttgcacttg gttctaatta 180

atgaactggg ctatctgaaa ttgttttaag aaaggaacag agatacactt ctaatttgct 240

ggcagaatat aattggagtg cctc 264

<210> 36902
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36902

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ncccgttttt tacgcgccac gcaacncggg gaggtgtgtt aaattgttgc ccctccccac 120

natccaacca tgacgactga tgaaagtgca atcataaaga cctggtgtcc ttgtctgtga 180

caagacgagc ttaggttctc attatatagg attgggcccg accttacgat atcaaagaaa 240

cctctggatg gcatagtatc agagaatctc tctctatatc aacctaggga gtggcgaaaa 300

gatgaaagat ggggatcata gactgtgtga tccccagatc ctgagaaata tgaaactctg 360

aggcgaataa catatgatag accccactag agatagtccg ccggcaactg ttactagtgg 420

atatcttatn ttcgaagaat cacaggtgtg gatgaaaag 459

<210> 36903
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36903

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gatcttggct gatttgattg tggtaacaca aggattcatc aaaaaagttc ataaaaactc 120

ctattgagtt cttgtattag agatactcta aaattaaact aagctaaaat aaaaatgtag 180

tatttaactt aaacttttt tatattaaat tctcaaatta agtaatgcca cattatatct 240

tttttacatt tacaggaaca agttgatatg agatctattt agaacaagtt gtagaatttc 300

aagagaacat tcacaaacat atatatttga tatgagatct taatgacaag aataaaagca 360

actaattaaa gtaaaatttg tctcttaaaa ata 393

<210> 36904
<211> 372
<212> DNA
<213> Glycine max

<400> 36904

attttatcaa aaaaggacca acgatcgaaa agaaggaaca cataaaaata agttctaaaa 60

attgagaaag ggtgataata tactgaacat tcataaatca tatgtcagaa aggagacgtg 120

ccaccaagcg tgaccatata tgtctccact gaaaaaaata aaaacactct aattttcatt 180

tttgacatag aattggccca ttgataaaca tctgtgcaat ccaaaaaaca ataaacaata 240

aaatgaatac acctaaactc aagaataaaa tcagagtaaa catcaatcaa aattcaaatt 300

ttcaaaggca ttatcccgga accctggctt tatgttgcat caatcagatt aaaactacat 360

catgttgtgt tt 372

<210> 36905
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36905

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atatggattc ctctctccct tggctgaact cgtgaaaatg aggaagaagg tcccaaaaat 120

ttgcttttaa agaattgtga agataacgtc taaggctttt gtccaaaaga aattttgatt 180

aagcctaatt gacaagctta attgacacca tgattgacta atggccagcc atgttgaacg 240

tgctaagtca tgcttccgat gggtattatt gcttttgaaa tttaaaccac aaatggttaa 300

agtagacata ggaaaaaata ctgaaaattg ctttcttacc aacgctccga aatcttatct 360

taaatgtcta gattaatgtg c 381

<210> 36906
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36906

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gaaaatagtt cggttttaag acaacaaccn ccccctgtgg gtgtttatgt acgaaagacc 120

acacaccata caagtaaggg taacatctta ctctccacat agaaggtgga cctaacgaaa 180

taatgtgctt gtgtggtctc tcaaaagatg cataactaaa gccattgtgc gctatgcatt 240

gataagaggc tttcacccat ctttttacat gttcatgctc atgaagatgg aacatcatac 300

tcccatgacc tatgcttata taagtgtggg ggcaattagg tctacatacg aatagaactc 360

ctcctatgca caaatgggac aatgagacga acacccccct taagacagtt aagagaaaat 420

agatggtgag agtaaactcc gaaatgaata atcgctggcc tattattaat actatgaata 480

atn 483

<210> 36907
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36907

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ggtatagata attctttaaa aatttccatt caatcatgtg atgactttga aagtctaaaa 120

ttaaagacaa caaagctttg tcttgaaaat gaggatattt gtaaataaag atatagtata 180

ttggaagacc ttcagaagtt gaaaaatcaa ctggaaggct tacaaaatga gtatatcaca 240

ctcaataaac ttcatgattg cctaaatgag gaaagatgta atctattgaa agcatgttcc 300

caagtccata agaattatga aaacttggag gcaagtaaac atatgatgta gctccaagta 360

gagcttgtaa gccttggatc tttttcatca atggagtatt ttgcttcttg aagagatcaa 420

tggcagtgga atgaaaaa 438

<210> 36908
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36908

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tgcaagatat ggaatctact ttgaaggagc tattggtatt gttgttggat tctttgattc 120

tgttttaaga ttcataggat attgtacctt aattgttgag tttctcacga ccaaggttca 180

gctcgattaa tggaactgaa aagtcttcac gaggaaagaa taagaatatt acagcagttg 240

tgtgatctac aggtattttt ttcccttaat actatgtaca ccagtatttt aactagtatt 300

tctttcctac aatgcatgta tgtgtatttt ctttttgctt ttataaggct tgatgttcat 360

gattggatca taacactttg aagaatttga agt 393

<210> 36909
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36909

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aactttacga atttcgtaac aatacttatt ttccttccgc aaggttacga atacttacgg 180

attatgtatt cactcttttt tagctttcga agaaattaca gaaacttacg gattgcgcaa 240

aaacacctct tttcgacttc cgccacatta cagaatttca cggatcgcgc aagcctgctt 300

cctttagatn tctgagacgt ctcaggactt catttattgt gcaacaaagg acgccaagta 360

tctcaaagtg gctaaccaaa 380

<210> 36910
<211> 288
<212> DNA
<213> Glycine max

<400> 36910

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tagcacatta ttaatataaa ttcagtttga gctggacatt cttggtcaca tcaatttctt 120

attggttgct gtaatgtcat acactcaaac aagttgagag aaatgacgta atgacttctt 180

aattatttaa ttctaaaagc aaccgaaggt acctaaacga atcaaatcac tttcatcgga 240

taaatgtata tgaaattcac attaatgtga caggcagctt gttaaaat 288

<210> 36911
<211> 364
<212> DNA
<213> Glycine max

<400> 36911

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gacgagagag gtctctgaaa ttttgctcta tcacaacatc aaagttgtcc aagactgaag 120

aattgaattt ggcaaatgac aaatgacgag tcttagtatt gatctttgtt tctttcccaa 180

gttcttctga tctaaaataa aaatctccac cgagtgatct ggctagatca tgcatgaggt 240

catgcatcac aaaacatttg ccataaggcc aactacttct atttgtactt gaacgttgga 300

aaaatgatct cgatatcgaa tcatcaatat actcatgacc aacctcttct aaagtcctac 360

catt 364

<210> 36912
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36912

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aaaaagactt ggtaagttgc caactaaact gtctgttggt caacctacac attcttttg 120

tttgcaggtt acaggttgta tcatctatgg tgaggctcat gaaacacgcc aatgtattcc 180

cattgaagaa aacacttaac aagttcacta tatgcgaaat caacagagac aaggatatac 240

tcaaggagga ttctcatgct tctagcaggg tccttataac caacaaggac agtggagatc 300

acaccctgac aatctattct acaaggacca gggtggacct tccaacaggc ccattcaaca 360

agggcctaac atctttcaga ggactactaa gttggag 397

<210> 36913
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36913

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caaatgatta tgatgataga tggctcaaat tctcacanag gtaaacttat cactttcaaa 120

ttgagctttc aaaactatca tgacatgtaa aggaaaaaca aggatttcaa gtcacaaaat 180

gtcaagagac ttttattctc agaacaatta cccattactt gaacatatcc tataattcaa 240

agacaaacat gcaaatttaa tgcaacaaaa ctaacaaaat taaactagaa cccaacaaaa 300

ctaacaaaat taatctaatt taacacaact aacaaaaccg aaaccaaaga acactccccc 360

cccatactta aacaacacat tgtcctcaat gtagca 396

<210> 36914
<211> 381
<212> DNA
<213> Glycine max

<400> 36914

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aacaataaca taccttattc attcaacatg taacttcaca cacaacacga ctaacatacc 120

ttcgtcattc aacatgtcac atagaccatg aaaaaccaag aaatcagttg aacaatcgtg 180

tgactctaaa cgataaaaaa caacaaaagc catcctaata tccgagaaag caaacaaaat 240

acccattctc tgaggtgaca aaccatatcc acaaaaatta cacctcaata tagagaatcc 300

cagataaaaa aactactctg aatcggtaga caccatcaga ccctagacat aacaaccgag 360

acctaaacac tatacatgta t 381

<210> 36915
<211> 362
<212> DNA
<213> Glycine max

<400> 36915

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catagactgc agcaactgat cccatgagca atcctgcaat tagagaatac atgccattct 120

tttgtatccc tctcatgaat atcaaagagc catttagaac tccattctcc cctttgaaca 180

cataaccttg tttgtcaaaa tcactcagag aaatcaaatt tctcttcaaa tctaagacaa 240

gccttacatt cttgatgact ctctcaacac catcatgaag cttaaacctc acagacccaa 300

ctcaagtgat cttacaggac ttgttgattc caagtaggat tgaaccacca acttgttcat 360

ca 362

<210> 36916
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36916

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tttattctca gatgatgcag atgggtttgt tncttcctca tgcgctcctc tagtgactat 120

tgcatcattt gtggcgctaa actggtggga gttggaagcc atcttctcaa ttaaatttct 180

ggcttcagca agagtcatgt ctccaagggc tccaccactg ccaacatcta tcatacttct 240

ctccatatta ctgagtactt cataaacata ttggagataa aactgttctg aaatctgatg 300

gtggggccac ctggcacata ttttcttata ctgggggga 339

<210> 36917
<211> 389
<212> DNA
<213> Glycine max

<400> 36917

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aggaacacat aaaaataagt tctaaaaatt gagaaagggt gataatatac tgaacattca 120

taaatcatat gtcataaagg agacgtgcca ccaagcgtga ccatatatgt ctccactgaa 180

aaaaataaaa acactctaat tttcattttt gacatagaat tggcccattg ataaacatct 240

gtgcaatcca aaaaacaata cacaataaaa tgaatacacc taaactcaag aataaaatca 300

gagtaaacat caatctaaat tcaaattttc aaacgcatta tccctggacc ttggctctat 360

gtttgcataa ctcagattaa aactacatc 389

<210> 36918
<211> 275
<212> DNA
<213> Glycine max

<400> 36918

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gggcacaaaa tctcatatgc cctcaccatg gcctaactat tgtggtggat ttgagaaggg 120

gctacgtcta agtgcttaag tagagcacac tggaatacaa tcaaaggaat aaccataccc 180

ataactccaa aaagacattt gtacataaaa aagatgggca aactacctga tactgccctc 240

acgaaaggga attgtccct cccacaaacc tgtat 275

<210> 36919

<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36919

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tgggggataa gcaagtgtta cttacattct ccatcggaaa ttatgttgat gaagtgcttt 120

gtgatatggt tcccatggaa gccagacatg tgttgcttgg gagaccttgg caatatgata 180

gagatgctgt ccacaatagg gtcaccaatt gatattcttt cttgcataaa ggtaaaatgg 240

tagttctctc acctttgtct ccaagtgagg tttgtgagga tcaaataaaa atgagattga 300

aaagagaaaa agaaaagata ttcaaagtaa gaaaaagtcc tttgagagag aataaccaca 360

aagaagagaa aacataagag tgaaaccaat tagttataaa gagagtttgt ta 412

<210> 36920
<211> 164
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36920

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catttagtgt gtgaacttca tatgcgaagg ccctgtgtgg agctgcatgc agtggtgtnt 120

tgagttggct gcgcacgtgc acgacatgac gatctttgat gatg 164

<210> 36921
<211> 308
<212> DNA
<213> Glycine max

<400> 36921

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taccattaac gtgtgatcga ttacacaaca acagaggtga ttcttcattt tgaattgaga 120

aaattaaaac gtttagaagc tctggtaatc gattacaagt gttgcgtaat cgattacact 180

attttataat gatttgaaac tgttaaacac aaattgtaac tcttgataat gtaaatctaa 240

acgtgttaac acactggtaa tcccttacta ccttctggta atcgattacc agagagtata 300

actctgtg 308

<210> 36922
<211> 252
<212> DNA
<213> Glycine max

<400> 36922

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ccacacttcc gagtgaaaag tcttcgtccc tccaatttgc atcgaccatc ggcatcaaat 120

agcgagcgtc ctcatatgct acgggacttg atccgacttc cgagtgaaaa gacagtgtca 180

cattgaaaat gctacgatcg gctatcttca ataacaaagg tctcaatgta ttacgggact 240

ctatcagact ac 252

<210> 36923
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36923

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ggctgaagag catgtgttgt ggctgtttaa ctaccgacgc tggctactgt attttctatt 120

ccacccctga ataatacttg gacgatgtcg atttggaaat gtacgatcgg agtcatccgg 180

tcatgcttct ttttaagacc tcgatctgtc atcttttcct ggccgacgtc ggctagcatt 240

gttttcgatc aatatctgtg aatcatgctt gttgccacag tgggctaaca gtttcatggc 300

tgatgaaatg agagcatgcc aatgtcggtc gaaacacatc ctcgcacgat aaaccctatc 360

cgacctacat tgtaattttt gtaggcaat 389

<210> 36924
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36924

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tgcaaatagt gttggtgttt gtgtgcatca natgaataaa tatttacttc atgcatacat 120

ttaaaatgta ctaaaagcaa caaagagtnt atatacacaa gaacataatg aaaggaaacc 180

aacaaagggg taagtcacgg taaaacattg cacaaaatta aatggcctaa ctctctaaaa 240

acattcccca gtggagtcgc caactgtcgc aacctaccct tcggcgggag ggcgacgcga 300

gactcgcggg atgcgtgttc cacgaaagga atacgcgcgg agtcgccacc aacgtttatt 360

tgaggaaaac gtcggaaaaa ccggaaaaga cgcgatctac 400

<210> 36925
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36925

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acaaacgcag gccgataata ttttttttacg gtagaggaaa ttttttgttt tggtgttgcc 120

taaaagattt acaatgtang tcggcaatgt ttttgcgtgc gagctcaatt gaggttgttt 180

ttcgggcgaa attggcttgt tctcatttag tcggtcaaga aaacgttagc ccactgcggc 240

aaaaaagaaa ctttattcac ggaaattgat cgaaaaaatg atgactgacg tcggcatgag 300

gagatgcctg atcgaggttt anaaatgatg agaatcttga tagtgtctct gcctctaggc 360

cttcatcctt ct 372

<210> 36926
<211> 199
<212> DNA
<213> Glycine max

<400> 36926

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ctcatagatc cagcctgcat agaagctcct caagcaggct tccatcacgt ggtatcacag 120

tacaaaagct gcaagcatgt gctccttaaa cctctattaa ttgtcagcta cacacttctg 180

ctacattgca gtttcttca 199

<210> 36927
<211> 472

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36927

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tagaganagt ttttcctacc ggcnacccag ancgagaggt gtgattgacc caananaccc 120

accccgcgga gaggccagcg anggagacca aagcgnccna aggngaatcn ncaccgacac 180

ggaaccacac ngcacanacg caggaaacac agaacagnca ggacagaagg gaaccaagac 240

ataagagata acagggacga gcgcnaanac agccagaccc gagggcgcga ggcatgcgca 300

aggagaccgg tgattgaaca aagatctaaa atgagacaga ggagaaataa cacggatggt 360

attatatgaa ctatgtcata aatacgtcca tagaaaattg gtatgtatct tagaaaggtg 420

ataacatact ctcttcgagc tatttgagta aggaatctga gatcatcctg an 472

<210> 36928
<211> 246
<212> DNA
<213> Glycine max

<400> 36928

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aattggatgt caaatcatgt gaagaatctt gtataggttt gcatgtgttt tctaacccct 120

cctaggggtg tcgtgtgcca ttccctatca cgtcacttcc tagggcttgc tccctcctga 180

attacacgca cacataaaca aaaggttata ttttcttggt taaagcatgc atttccatgt 240

tttcac 246

<210> 36929
<211> 249
<212> DNA
<213> Glycine max

<400> 36929

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agcctgaatc ggacatccgg gtgacaagtt gtgaccatca taatttctct acaccatacc 120

gtgctcaata acgagcgtct cgagagatta cgcgcgtgaa tccgacgtcc gtgtgaaagg 180

tatgaccatc tgggtcgttc gagagcttcc gttgggcaaa atcaagcggc ccgatttatt 240

atacacctg 249

<210> 36930
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36930

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gtggagatac tttcctttac acctgtcgac aaacaatcat tnttgctttc tcttttgttt 120

ggaaaacggt tatttcacac tacttttta atacatattc tctttatact tcttaaataa 180

atgtcaaatc gtaacagaga atatcagctg acttcttcaa tagatgtata acgaaaagaa 240

acataataat tcacgtaagc aagtaaatgg aatatgtctc caataaattt atgccattta 300

acaatcgttt gtatttgtaa aatatatttc gtactgatta tcatgtacct tttaatgaca 360

cangagagaa gcacaacacg gaacaaattt gttacgataa gtctaccaat aaaagacaaa 420

tgtctcgcat tccaattact ta 442

<210> 36931
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36931

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atcctgctgg gactattgag aaaactgggg cacataaaga gggtgagaaa gagggagaaa 120

cccatgttgt gactgccatt cctatacggc caagtttccc accaacccaa caatgtcatt 180

actcagccaa taacaaacct ccttacccac cacccagtta tccacaaagg ccatccctaa 240

atcaaccaca aagtctgtct accgcacttc caatgacgaa catcaccttt agcacaatcc 300

aaaaacacgc gccaagaaat gagttttgta gcggaaaaaa aacctgtaga attcacccaa 360

attccggtgt cctatgttga cttgctccca tgtccactcg ataatgcagt ggtagccata 420

aaccctgcta ggtttcctca atctccatt 449

<210> 36932
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36932

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gaacgagctc atttcttcct ctatttcctt tagtagcata caccctttggt tggttcctaa 120

ccctctcatg caacttcttt acaaactcta accttgattc cccttcttta tgtataaaag 180

aagtgtcaag tgggagggga attaggtctt agggtgttag aggattgaac ccatagataa 240

cctcaaaagg ggattgcttg gttgttctat gaatcccccc gtngtaggaa aattctacat 300

aaggaagata ctaatcctaa gacttatggg ttcctttcag aaaagccctt aaaagggtgg 360

atagagaccc attcactacc tttgtttgcc catcaattta tggatgacaa gtggtag 417

<210> 36933
<211> 173
<212> DNA
<213> Glycine max

<400> 36933

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taagtctatc atatgctgac aatagccgag aagcccatga atctcttccg gggtggagta 120

agtgtatgcc attgccttgg ccttggctaa caagcaggga agttcttgac tcc 173

<210> 36934
<211> 272
<212> DNA
<213> Glycine max

<400> 36934

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taattcctta tgacttgcaa aatcataacc tggttgcaca aatagaataa cctgtgattt 120

cctgcataca acccaaacgc cttgtaacta actcactacc agtagcatgc ccaagaagat 180

ttgcttcaat agacattagc atgccatgta tcaattgaac gtgagaaatc atatggcgag 240

ggttaatcct taacgcctac atcaatatgc at 272

<210> 36935
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36935

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tgtgtagtat aaaaataaat gaaactcctg tcaacaatca tcctgagcaa caatatgctc 120

gtcctgagct gacgtatgct ggccatgagg tgaacaacga gtatcctggg ctggttgagg 180

agtctccaat gtgctgtacg ccaaggatcc caagtactct gcgccgccta tatatctgct 240

gcatattcag tgttctcggc gccttcttca ccctcagaga cctccacgac aggtaaagta 300

gcatgtgaaa cctgtggaat ggcctcatga gtaacctcta tc 342